FORM 3

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED
JUN 2 8 1991
DIVISION OF
OIL GAS & MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. Type of Well: Oil Well [ ] Gas Well [X] Other — Single Zone [ ] Multiple Zone [ ]

2. Name of Operator: Hallwood Petroleum, Inc.

3. Address of Operator: 4582 South Ulster Parkway, Suite 1700, Denver, Colorado 80237

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface: 625' FEL & 804' FSL, $SE\frac{1}{4}SE\frac{1}{4}$, Section 17, T3N, R19E
At proposed prod. zone: Wasatch

5. Lease Designation and Serial No.: UT State #40054

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name: Antelope Hollow Unit

8. Farm or Lease Name: UT State #40054

9. Well No.: No. 44-17

10. Field and Pool, or Wildcat: Wildcat 001

11. QQ, Sec., T., R., M., or Blk. and Survey or Area: $SE\frac{1}{4}SE\frac{1}{4}$, Sec. 17, T3N, R19E

12. County or Parrish: Daggett

13. State: Utah

14. Distance in miles and direction from nearest town or post office*: 4 miles from Manila, Utah 84046

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any): 625' FEL & 804' FSL

16. No. of acres in lease: 2546.40

17. No. of acres assigned to this well: 160 Acres

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.:

19. Proposed depth: 4,600' WSTC

20. Rotary or cable tools: Rotary

21. Elevations (Show whether DF, RT, GR, etc.): 6949'

22. Approx. date work will start*: 7-20-91

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
$12\frac{1}{4}$"	9 5/8"	32.2 lb/ft	500'	100 Slavenger, 200 Lite
7 7/8"	$5\frac{1}{2}$"	14.0 lb/ft	4600'	100 Slavenger, 200 Lite

See Attached Exhibits:
1) Survey Information and Maps
2) Diagram of Pressure Control Equipment
3) Archeological Study
4) Designation of Agent
5) Bonding Information
6) Water Right Application

TECHNICAL REVIEW
Engr. 7/10/91
Geol. 7/9/91
Surface 7/5/91

CONFIDENTIAL

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. I hereby certify that this report is true and complete to the best of my knowledge.

Signed: Joan K. McCormick — Title: Agent for Hallwood Petroleum, Inc. — Date: 6-27-91

Joan K. McCormick

(This space for Federal or State office use)

API NO. 43-009-30064

Approval Date: APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 7-10-91

Approved by: — Title:

Conditions of approval, if any:

WELL SPACING: 615-3-2

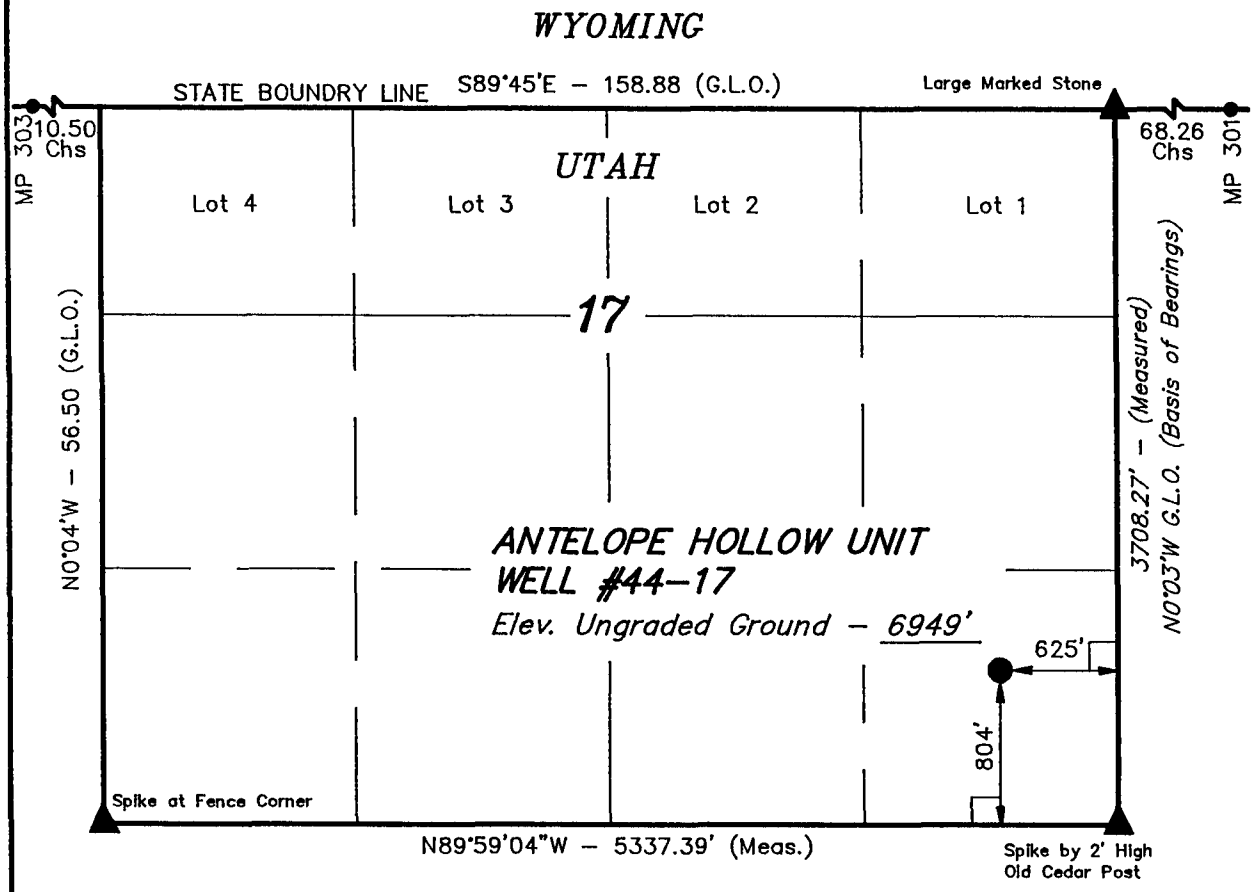
*See Instructions On Reverse Side

(3/89)

HALLWOOD ENERGY CO.

Well location, ANTELOPE HOLLOW UNIT WELL #44–17, located as shown in the SE 1/4 SE 1/4 of Section 17, T3N, R19E, S.L.B.&M. Daggett County, Utah.

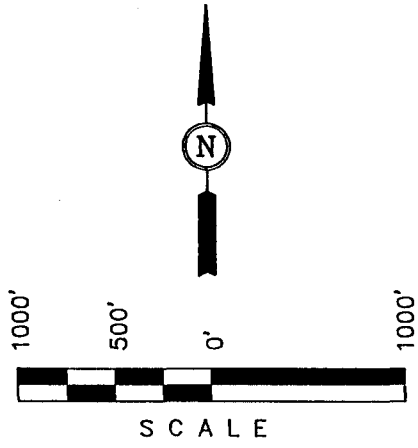
T3N, R19E, S.L.B.&M.



▲ = SECTION CORNERS LOCATED.

BASIS OF ELEVATION

BENCH MARK IN THE SE 1/4 SE 1/4 OF SECTION 20, T3N, R19E, S.L.B.&M. TAKEN FROM THE JESSEN BUTTE QUADRANGLE, UTAH, WYOMING, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7141 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Lawrence L. Kay

REGISTERED LAND SURVEYOR
REGISTRATION NO. 3137
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(801) 789–1017

SCALE 1" = 1000'	DATE 6–24–91
PARTY L.K. D.S. MDA	REFERENCES G.L.O. PLAT
WEATHER HOT WINDY	FILE HALLWOOD ENERGY CO.

WESTERN
WYOMING
COLLEGE

ARCHAEOLOGICAL
SERVICES

P.O. BOX 428
2500 COLLEGE DR.
ROCK SPRINGS
WYOMING
82902-0428
(307) 382-1666

June 26, 1991

Les McCormick
LCM Limited
410 17th Street, Suite 1910
Denver, CO 80202

RE: 91-WWC-147
Antelope Hollow Unit Well No. 44-17

Dear Les:

Enclosed please find our Class III cultural resource inventory report detailing the archaeological investigations for Hallwood Energy Companies' Antelope Hollow Unit Well No. 44-17 located in Daggett County, Utah.

No significant cultural resources were identified as a result of this project and cultural resource clearance is recommended for the project.

If you have any questions concerning this report, please contact our office.

Sincerely,

Steven D. Creasman
Director

Jana V. Pastor
Project Manager

SDC:JVP:dab

Enclosures

cc: Jim Dykman - Division of State History (2)

1890-1990 WYOMING CENTENNIAL A LASTING LEGACY

Western Wyoming College
Affidavit of Cultural Resource Inventories

Project Reference No: 91-WWC-147 (Utah Project Number U-91-WK-287sp)

Report Date: June 26, 1991

Project Identification: Hallwood Energy Companies' Antelope Hollow Unit Well No. 44-17 well pad and access road, Class III cultural resource inventory

Project Location: The project area for Hallwood Energy Companies' Antelope Hollow Unit Well No. 44-17 is in Sections 16 and 17, T3N, R19E, Daggett County, Utah (Figure 1). Hallwood Energy proposes to drill the Antelope Hollow Unit No. 44-17 in the SW1/4 NE1/4 SE1/4 SE1/4 of Section 17. The access road starts at the well center and goes northeast to a point in the NW1/4 NW1/4 SW1/4 SW1/4 of Section 16 at which point it turns due north and follows a fence line and finally connects with an existing upgraded road in the NW1/4 NE1/4 NW1/4 SW1/4 in Section 16. The project will be conducted on both private land (Section 16, George Olsen) and state land (Section 17).

Description of Undertaking: Hallwood Energy Companies proposes to construct a well location referred to as the Antelope Hollow Unit Well No. 44-17. Construction will require that an earthen pad be cut and levelled to accommodate the drilling machinery. The new access road will be a crowned and ditched road. State involvement will consist of approval of an Application for a Permit to Drill and review of right-of-way permits for crossing state lands.

Field Crew: Jana Pastor (crew chief) and Joni Stainbrook

Date of Survey: June 15, 1991

File Search: A file search was conducted through the Utah State Historic Preservation Office for Sections 16 and 17, T3N, R19E, Daggett County, Utah. There have been no previously recorded surveys or sites in these sections.

Environment: The project area is located north of the Uinta Mountains in the Lucerne Valley directly west of Flaming Gorge Reservoir. The proposed well is located on the northwest slope of a hill overlooking Antelope Hollow. Birch Spring Draw is 1.5 miles to the south and a major topographic feature known as Jessen Butte is approximately 2 miles to the south. Antelope Hollow is a broad flat draw that is presently being used agriculturally.

There are colluvial sandy soils along the slopes with sandstone outcrops on the hill tops. The vegetation coverage ranges from 50-95% and is primarily a sagebrush community with greasewood, bunch grass, wheat grass, snake weed, scarlet globe mallow, phlox, larkspur, Indian paintbrush, prickly pear cactus and a type of bladder pod (Lesquerella). Directly north of the centerstake is an alfalfa field. There are a few juniper trees outside of the project area and cottonwoods along the streams. Modern impact noted within the study area include a fence between Sections 16 and 17. The proposed access road is through an existing field. There is an alfalfa field adjacent to the proposed well and an irrigation ditch has been dug south of

ARCHAEOLOGICAL SERVICES
WESTERN WYOMING COLLEGE

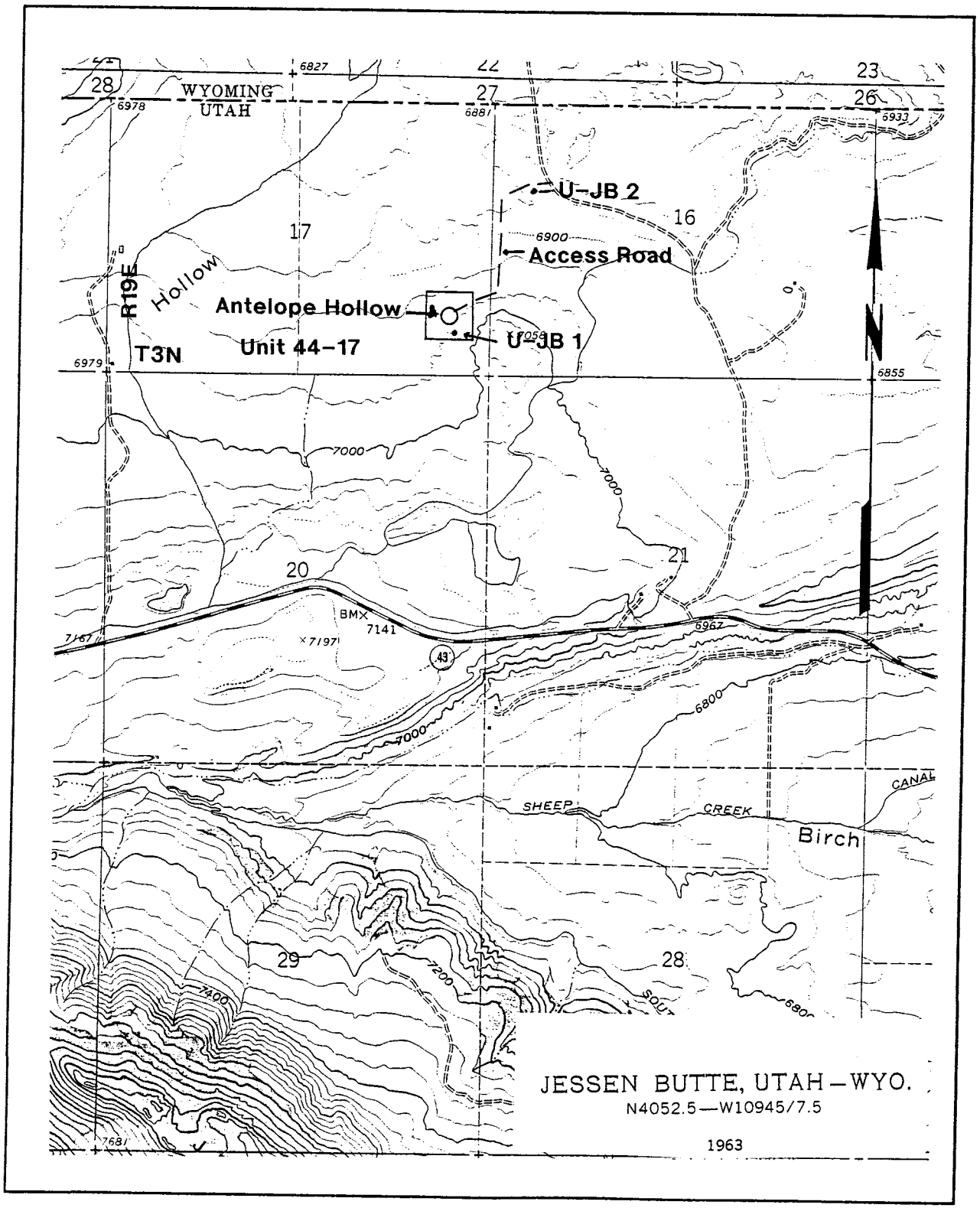


Figure 1. Map of the proposed Hallwood Energy Companies Antelope Hollow Unit Well No. 44-17 and access road in T3N, R19E, Section 16 and 17, Daggett County, Utah.

the well location. There is also a two-track road through the proposed well pad.

Survey Methods: The Class III cultural resource inventory was conducted by two archaeologists walking 30 m transects along the access road. A 100 ft right-of-way was inventoried. A 10 acre area surrounding the centerstake was inventoried using 15 m east-west transects. The proposed access road is approximately 2700 ft (6.21 acres).

Results: Two isolated artifacts were discovered during the Class III cultural resource inventory of the Antelope Hollow Unit 44-17 well pad and access road.

Isolated Finds

Isolate Number: U-JB 1
Legal Location: SW1/4 NE1/4 SE1/4 SE1/4, Section 17, T3N, R19E
Description: The isolate is a bifacial thinning flake with a prepared platform. The flake has been retouched along one longitudinal edge. The material is a good quality, dark brown chert. The dimensions are 63 x 31 x 9 cm.
Project Location: The flake was found on the proposed Antelope Hollow Unit 44-17 well pad. It was situated on the northwest slope of a hill overlooking Antelope Hollow. The nearest permanent water is Birch Spring Draw approximately 1.5 miles to the south. The soil is sandy colluvium.

Isolate Number: U-JB 2
Legal Location: NW1/4 NE1/4 NW1/4 SW1/4 Section 16, T3N, R19E
Description: This isolate is a large secondary flake with a small portion of exterior remaining. There is no edge retouch visible on this specimen. The material is a good quality dark brown chert identical to the material of U-JB 2. The dimensions are 49 x 46 x 10 cm.
Project Location: The isolate was found along the access road to the proposed Antelope Hollow Unit 44-17 well pad in a sagebrush community adjacent to a hay field. The main county road is approximately 50 ft east. The nearest permanent water is Birch Spring Draw approximately 1.5 miles to the south. The soil is sandy colluvium.

Summary: On June 25, 1991, archaeologists from Archaeological Services of Western Wyoming College conducted a Class III cultural resource inventory on the proposed Hallwood Energy Companies Antelope Hollow Unit 44-17 well pad and access road. A file search indicated that no previously recorded sites are located within the proposed project boundaries. Two isolated finds were located during the Class III cultural resource inventory and no new sites were found. There is little possibility that buried cultural resources will be affected by this project.

Recommendations: The construction activities of the proposed Antelope Hollow Unit 44-17 well pad and access road will have no effect on any previously recorded sites and no new sites were identified during the Class III inventory. The potential for unidentified cultural resources is low. Cultural resource clearance is recommended for the Hallwood Energy Companies Antelope Hollow Unit 44-17 well pad and access road.

Certification: This project was conducted under the Utah State Permit No. U-91-WK-287sp and complies with Executive Order 11593 and other applicable historic preservation laws.

Steven D. Creasman
Principal Investigator

Jana Pastor
Staff Archaeologist

AGENCY AGREEMENT

Hallwood Petroleum, Inc., with its address at 4582 S. Ulster Street Pkwy., Denver, Colorado 80237, hereby agrees to designate LCM, Ltd., 410 17th Street, Suite #1910, Denver, Colorado 80201, as its Agent with authority for the limited purpose and for no other purpose of acting on its behalf to permit the Antelope Hollow Unit #44-17 well in Daggett County, Utah.

Hallwood Petroleum, Inc. reserves the right to revoke the authority granted at any time.

HALLWOOD PETROLEUM, INC.

By: William H. Marble
Vice President

Alexander & Alexander of Texas, Inc.
717 N. Harwood Street
Lock Box #8
Dallas, Texas 75201
Telephone 214 880-0321

June 20, 1991

Ms. Jeanne Dennis
Hallwood Energy Companies
4582 South Ulster Street Parkway
Stanford Place III, Suite 1700
P. O. Box 378111
Denver, Colorado 82037

HALLWOOD PETROLEUM, INC
BOND NO. B1729379
$25,000 BLANKET OIL & GAS BOND
STATE OF UTAH

Dear Jeanne:

You should find enclosed Bond # B1729379 which has been countersigned by an Utah Resident Agent. This bond should now be signed by an authorized officer of Hallwood Petroleum and forwarded to the State of Utah for filing.

At the time this bond is filed please request Hartford bond # 4525662 be released. Upon receipt of the written release please forward it to me so that we may process the closing of this Hartford bond.

If you have any questions concerning this document, please call.

Sincerely,

Pamelia McLemore
Administrative Assistant
Bond Department

PM
Enclosure

BOND NUMBER B1729379
Corporate Surety Bond

STATE OF UTAH
BOND OF LESSEE

KNOW ALL MEN BY THESE PRESENTS, that we Hallwood Petroleum, Inc. of Address, as principal and Reliance Insurance Company, as surety, are held and firmly bound unto the State of Utah in the sum of Twenty Five Thousand Dollars ($ 25,000) lawful money of the United States to be paid to the Board of State Lands and Forestry, as agent for the State of Utah, for the use and benefit of the State of Utah, and of any patentee or purchaser of any portion of the land covered by the hereinafter described lease heretofore sold or which may hereafter be sold with a reservation to the State of Utah, on the surface or of other mineral deposits of any portion of such lands, for which payment, will and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators, successors, sub-lessees, and assignees, jointly and severally by these presents.

Signed with our hands and seals this 18th day of June in the year of our Lord, 1991.

The condition of the foregoing obgliation is such that,

WHEREAS, The State of Utah, as Lessor, issued a(n) _____ lease, Lease Number _____ and dated _____, to _____ as lessee (and said lease has been duly assigned under date of _____ to _____) to drill for, mine, extract, and remove all of the _____ deposits in and under the following described lands to wit:

(see attachment for list of wells and leases covered by this bond)

NOW, THEREFORE, THE principal shall be obligated to pay all monies, rentals, royalties, cost of reclamation, damages to the surface and improvements thereon and any other costs which arise by operation of the above described lease(s) accruing to the Lessor and shall fully comply with all other terms and conditions of said lease, the rules, regulations, and policies relating thereto of the Board of State Lands and Forestry, Division of State Lands and Forestry, the Board of Oil, Gas and Mining, and the Division of Oil, Gas and Mining as they may now exist or may from time to time be modified or amended. This obligation is in effect even if the principal has conveyed part of the purchase agreement interest to a successor in interest. If the principal fully satisfies the above described obligations, then the surety's obligation to make payment to the State of Utah is void and of no effect, otherwise, it shall remain in full force and effect until released by the Division of State Lands and Forestry.

Signed, sealed and delivered in the presence of

HALLWOOD PETROLEUM, INC.

_____ (SEAL)
Principal

_____
Witness

Geneva Money
Witness

BONDING COMPANY RELIANCE INSURANCE COMPANY
BY Pamelia Langley
Pamelia Langley, Attorney-in-Fact

Attest: _____

Resident Agent: _____

Bonding Co. Address _____

APPROVED AS TO FORM:
ATTORNEY GENERAL

By David L. Whitesman

Corporate Seal of Bonding Company Must be Affixed.

SORT LEASE.MASTER BY LM.SPG LEASE.NAME COUNTY STATE LM.SPG LPTR 11:17:38 05-21-91 PAGE 1

Utah Leases

LEASE.MASTER	LEASE NAME.....	COUNTY.....	ST	LEASE SPG.....
354*100616	BIA UT 14-20-H62-3434	DUCHESNE	UT	
354*100901	USA U 42192	EMERY	UT	
354*100902	USA U 43386	SAN JUAN	UT	
354*101483	USA U 0143551	UINTAH	UT	
354*101484	ST UT ML 21329	UINTAH	UT	
354*101485	ST UT ML 21330	UINTAH	UT	
354*101486	USA U 0148171	GRAND	UT	
354*101487	USA U 0148171 A	GRAND	UT	
354*101488	USA U 0146802	GRAND	UT	
354*101489	USA U 0148172	GRAND	UT	
354*101490	USA U 0143521 A	UINTAH	UT	
354*30421	CHAMPLIN PETROLEUM CO	SUMMIT	UT	
354*30463	JUDD LEON M ET AL	SUMMIT	UT	
354*30464	CLARK M CECIL ET UX	SUMMIT	UT	
354*30465	BINGHAM B A	SUMMIT	UT	
354*30466	CLARK LESTER WILLIAM ET UX	SUMMIT	UT	
354*30467	ST UT ML 27552	SUMMIT	UT	
354*30468	CHAMPLIN PETROLEUM CO	SUMMIT	UT	
354*30470	JACOBSON ROY	SUMMIT	UT	
354*30471	ST UT SLA 153	SUMMIT	UT	
354*30473	USA U 25426	SUMMIT	UT	
354*30474	HYRUM J NEWTON & SONS SHEEP CO	SUMMIT	UT	
354*30485	JUDD LEON M ET UX	SUMMIT	UT	
354*30539	USA UT 42486	WASATCH	UT	
354*44810	USA U 31479	SAN JUAN	UT	
354*50008	FOIANINI GINO ET UX	SUMMIT	UT	
354*50009	MENDICOA MODESTO	SUMMIT	UT	
354*50010	NEFF EVELYN G AND BRANSON B	DAGGETT	UT	
354*50011	JULIAN B NEFF	DAGGETT	UT	
354*50012	ALBERT H NEFF ET UX	DAGGETT	UT	
354*50013	VICTOR L NEFF ET UX	DAGGETT	UT	
354*50014	NINA L HILDEBRAND ET VIR	DAGGETT	UT	
354*50015	ROBERT W STEWART ET AL	DAGGETT	UT	
354*50016	USA U 64254	DAGGETT	UT	
354*50017	CIRCLE BAR RANCH	DAGGETT	UT	
354*50073	DUANE & CARLA WELLING CO-EX	DAGGETT	UT	
354*50074	JAMES E CONNORS ET UX	DAGGETT	UT	
354*50301	SHEILA J LANGER ET VIR	DAGGETT	UT	
354*50302	RUTHANN I WOOD ET VIR	DAGGETT	UT	
354*50303	EVELYNN BELLE CHAPIN ET VIR	DAGGETT	UT	
354*50304	HARRY SCOTT HARNSBERGER JR	DAGGETT	UT	
354*50305	BILL R BRADY ET UX	DAGGETT	UT	
354*50306	NED H BRADY ET UX	DAGGETT	UT	
354*50307	MARLA BARNUM ET VIR	DAGGETT	UT	
354*50308	MINONA B HOBBS ET UX	DAGGETT	UT	
354*50309	ZELDA BRADY	DAGGETT	UT	
354*50310	RUEL TRIPLETT ET UX	DAGGETT	UT	
354*50311	ANNA MARIE CHICO ET VIR	DAGGETT	UT	
354*50312	BONNIE GREGORY	DAGGETT	UT	
354*50313	ROBERT IMLER ET UX	DAGGETT	UT	

LEASE.MASTER	LEASE NAME.....	COUNTY.....	ST	LEASE SPG.....
354*50314	DONALD SCHOFIELD ET UX	DAGGETT	UT	
354*50315	MARY ELIZABETH HITZMAN ET VIR	DAGGETT	UT	
354*50316	JANSEN FAITH N TRUSTEE	DAGGETT	UT	
354*50317	DEAN R ANDERSON ET UX	DAGGETT	UT	
354*50319	USA U 64599	DAGGETT	UT	
354*50320	BOYD PALLESEN ET AL	DAGGETT	UT	
354*50321	WILLIAM BRIGGS ET UX	DAGGETT	UT	
354*50322	LLOYD J CONNORS ET UX	DAGGETT	UT	
354*50323	USA U 53181	DAGGETT	UT	
354*50324	USA U 52496	DAGGETT	UT	
354*50325	HELGA R LARSEN	DAGGETT	UT	
354*50326	RUTH K DUNN	DAGGETT	UT	
354*50327	EBBA R FIELD FISHER	DAGGETT	UT	
354*50328	BONNIE GREGORY	DAGGETT	UT	
354*50329	ANNA MARIE CHICO	DAGGETT	UT	
354*50330	INEZ C HYSELL ET AL	DAGGETT	UT	
354*50331	USA U 51150	DAGGETT	UT	
354*50332	EVELYNNBELLE (LYNN) CHAPIN	DAGGETT	UT	
354*50333	HARRY SCOTT HARNSBERGER JR	DAGGETT	UT	
354*50334	STATE OF UTAH 44135	DAGGETT	UT	
354*50335	KENNETH A TURNER EXECUTOR	DAGGETT	UT	
354*50336	LINDA MARKENTIN	DAGGETT	UT	
354*50337	USA U 47130	DAGGETT	UT	
354*50338	NED H BRADY ET UX	DAGGETT	UT	
354*50339	MINONA B HOBBS ET VIR	DAGGETT	UT	
354*50340	MARLA BARNUM ET VIR	DAGGETT	UT	
354*50341	ZELDA BRADY	DAGGETT	UT	
354*50342	FRANK EBY	DAGGETT	UT	
354*50343	IVAN H METCALF ET UX	DAGGETT	UT	
354*50344	STANLEY B SIMONSEN ET UX	DAGGETT	UT	
354*50345	BERT W TAYLOR ET UX	DAGGETT	UT	
354*50547	DON BULLOCK ET UX	DAGGETT	UT	
354*50557	JAMES ANDERSON	DAGGETT	UT	
354*50558	STATE OF UTAH ML-40462	DAGGETT	UT	
354*50574	LULA M SCHOFIELD	DAGGETT	UT	
354*50576	BILL BRADY ET UX	DAGGETT	UT	
354*50580	BEDONNA RARDIN	DAGGETT	UT	
354*50596	ROBERT BRIGGS ET UX	DAGGETT	UT	
354*50775	MARK S DOLAR AND JANET K DOLAR	DAGGETT	UT	
354*50820	BASIC ANTELOPE HOLLOW PROSPECT		UT	
354*50821	BASIC GREGORY BASIN PROSPECT		UT	
354*50822	BASIC BLACK MOUNTAIN ARCH		UT	
354*50823	BASIC SOUTHERN GREEN RIVER		UT	
354*50839	JULIAN S NEFF	DAGGETT	UT	
354*50840	ALBERT H. NEFF AND GLORIA M.	DAGGETT	UT	
354*50841	VICTOR L NEFF AND JANET C NEFF	DAGGETT	UT	
354*50842	NINA L HILDEBRAND AND	DAGGETT	UT	

LEASE.MASTER	LEASE NAME.....	COUNTY.....	ST	LEASE SPG.....
	JAMES L			
354*50843	USA U 66165	DAGGETT	UT	
354*50847	CHAPIN EVELYNNBELLE (LYNN)	DAGGETT	UT	
354*50848	HARRY SCOTT HARNSBERGER JR	DAGGETT	UT	
354*50881	STATE OF UTAH ML 44476	DAGGETT	UT	
354*50882	STATE OF UTAH ML 44129	DAGGETT	UT	
354*8778	USA U 46768	GRAND	UT	
354*904	USA U 13666	GRAND	UT	
354*905	ST UT ML 31281	GRAND	UT	
354*105822	USA U 17942	GRAND	UT	1.255
354*105823	USA U 05010	GRAND	UT	1.255
354*2812	USA U 9831	GRAND	UT	1.255
354*2814	USA U 48360	GRAND	UT	1.255
354*2815	USA U 32643	GRAND	UT	1.255
354*900	USA U 38838 A	GRAND	UT	1.255
354*901	USA U 38842	GRAND	UT	1.255
354*906	USA U 13031	GRAND	UT	1.255
354*907	USA U SL 071172	GRAND	UT	1.255
354*909	ST UT ML 27489	GRAND	UT	1.255
354*910	ST UT ML 33908	GRAND	UT	1.255
354*911	USA U 10152 A	GRAND	UT	1.255
354*914	USA U 30301	GRAND	UT	1.255
354*915	USA U 38033	GRAND	UT	1.255
354*916	STATE UTAH ML 29608	GRAND	UT	1.255
354*918	USA U 38030	GRAND	UT	1.255
354*921	USA U 41374	GRAND	UT	1.255
354*C907	USA U SL 071172	GRAND	UT	1.255
354*104641	USA U 62844	GRAND	UT	1.355
354*359	DUMMY LEASE	GRAND	UT	1.355
354*922	USA U 17455	GRAND	UT	1.355
354*924	USA U 13371	GRAND	UT	1.355
354*C901	USA U 38842	GRAND	UT	1.355
354*C915	USA U 38033	GRAND	UT	1.355
354*358	DUMMY LEASE	DUCHESNE	UT	1.356
354*360	DUMMY LEASE	SUMMIT	UT	1.356
354*57	DUMMY LEASE	GRAND	UT	1.399

132 records listed.

RELIANCE INSURANCE COMPANY

HEAD OFFICE, PHILADELPHIA, PENNSYLVANIA

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, That the RELIANCE INSURANCE COMPANY, a corporation duly organized under the laws of the State of Pennsylvania, does hereby make, constitute and appoint H. A. Gibson, Joe Bruce, W. Lawrence Brown, Janice G. Correy, Dorothy Valek, William D. Baldwin, Kathleen Day, L. Ray Pitts, Jr. and Pamelia Langley, individually, of Dallas, Texas

its true and lawful Attorney-in-Fact, to make, execute, seal and deliver for and on its behalf, and as its act and deed any and all bonds and undertakings of Suretyship,

and to bind the RELIANCE INSURANCE COMPANY thereby as fully and to the same extent as if such bonds and undertakings and other writings obligatory in the nature thereof were signed by an Executive Officer of the RELIANCE INURANCE COMPANY and sealed and attested by one other of such officers, and hereby ratifies and confirms all that its said Attorney(s)-in-Fact may do in pursuance hereof.

The Power of Attorney is granted under and by authority of Article VII of the By-Laws of RELIANCE INSURANCE COMPANY which became effective September 7, 1978, which provisions are now in full force and effect, reading as follows:

ARTICLE VII — EXECUTION OF BONDS AND UNDERTAKINGS

1. The Board of Directors, the President, the Chairman of the Board, any Senior Vice President, any Vice President or Assistant Vice President or other officer designated by the Board of Directors shall have power and authority to (a) appoint Attorneys-in-Fact and to authorize them to execute on behalf of the Company, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, and (b) to remove any such Attorney-in-Fact at any time and revoke the power and authority given to him.

2. Attorneys-in-Fact shall have power and authority, subject to the terms and limitations of the power of attorney issued to them, to execute and deliver on behalf of the Company, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof. The corporate seal is not necessary for the validity of any bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof.

3. Attorneys-in-Fact shall have power and authority to execute affidavits required to be attached to bonds, recognizances, contracts of indemnity or other conditional or obligatory undertakings and they shall also have power and authority to certify the financial statement of the Company and to copies of the By-Laws of the Company or any article or section thereof.

The power of attorney is signed and sealed by facsimile under and by authority of the following Resolution adopted by the Board of Directors of RELIANCE INSURANCE COMPANY at a meeting held on the 5th day of June, 1979, at which a quorum was present, and said Resolution has not been amended or repealed:

> "Resolved, that the signature of such directors and officers and the seal of the Company may be affixed to any such power of attorney or any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached."

IN WITNESS WHEREOF, the RELIANCE INSURANCE COMPANY has caused these presents to be signed by its Vice President, and its corporate seal to be hereto affixed, this 21st day of April 1987.

RELIANCE INSURANCE COMPANY

Vice President

STATE OF Pennsylvania
COUNTY OF Philadelphia } ss.

On this 21st day of April, 1987, personally appeared Raymond MacNeil

to me known to be the Vice-President of the RELIANCE INSURANCE COMPANY, and acknowledged that he executed and attested the foregoing instrument and affixed the seal of said corporation thereto, and that Article VII, Section 1, 2, and 3 of the By-Laws of said company and the Resolution, set forth therein, are still in full force.

My Commission Expires:

September 28, 1987

Notary Public in and for State of Pennsylvania

Residing at Philadelphia

I, P. D. Crossetta, Assistant Secretary of the RELIANCE INSURANCE COMPANY, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney executed by RELIANCE INSURANCE COMPANY, which is still in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Company this day of 19 .

Assistant Secretary

BDR-1431 Ed. 6/79

WATER RIGHT APPLICATION

As Per Billy at Utah Division of Water Rights
152 East 100 North
Vernal, Utah 84078
(801)781-0770

Water for the Antelope Hollow Unit Well No. 44-17 will be provided by the following:

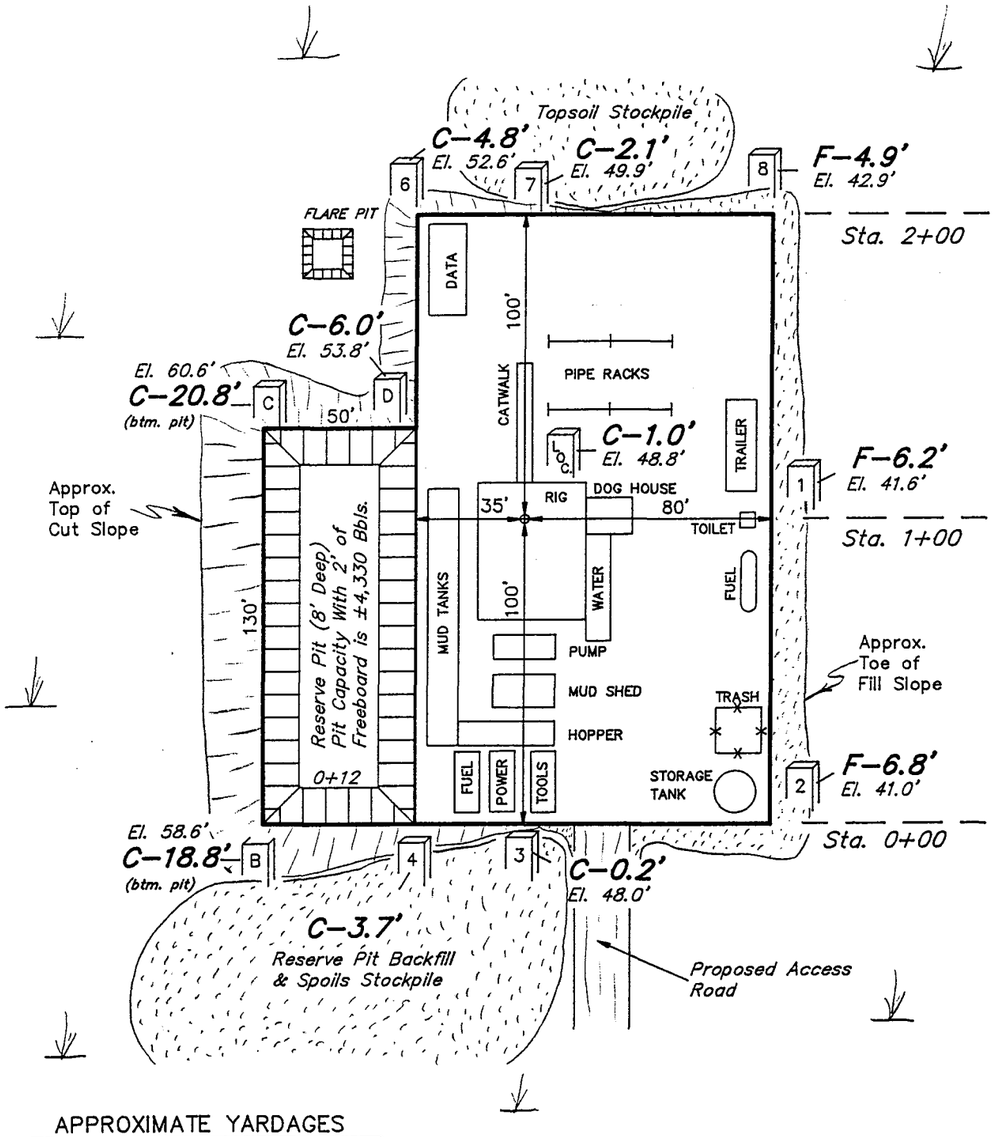
SURFACE OWNER - George Olsen
HCR 65, Box 618
Manila, Utah 84046
(801)784-3200

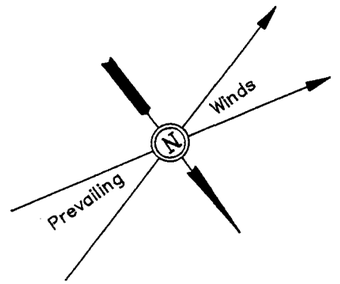
The Application for Transfer of Temporary Water Rights is being taken care of by George Olsen directly. This should be completed within the next two weeks. As per Billy, he is to come into the office and complete the forms necessary. They will then immediately issue the transfer.

HALLWOOD ENERGY CO.

LOCATION LAYOUT FOR

ANTELOPE HOLLOW UNIT #44-17
SECTION 17, T3N, R19E, S.L.B.&M.



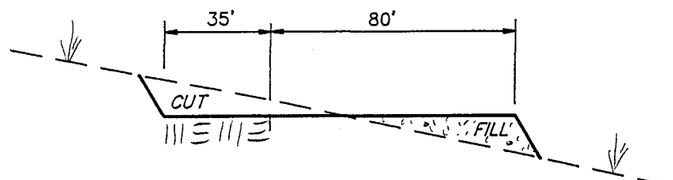


SCALE: 1" = 50'
DATE: 6-24-91
Drawn By: MDA

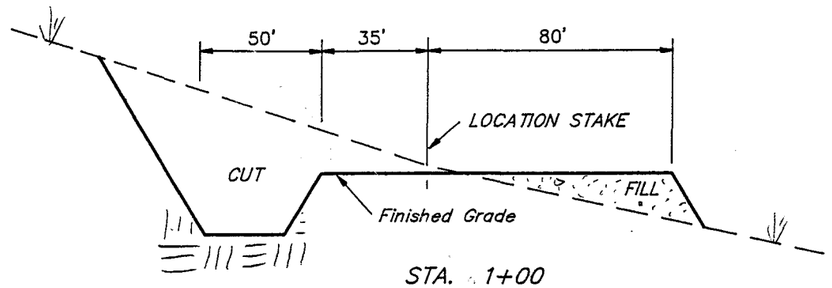
1" = 20'
X-Section Scale
1" = 50'

TYP. LOCATION LAYOUT

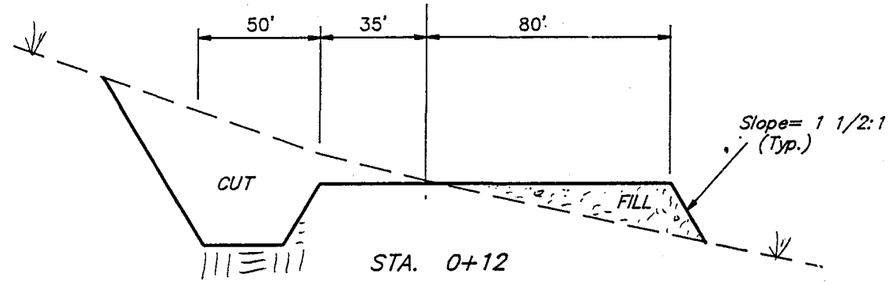
TYP. CROSS SECTIONS



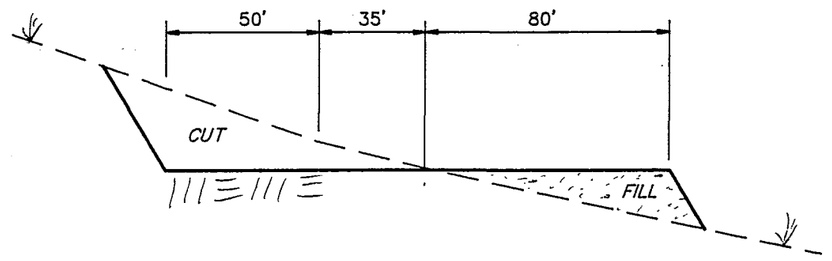
STA. 2+00



STA. 1+00



STA. 0+12



STA. 0+00

APPROXIMATE YARDAGES

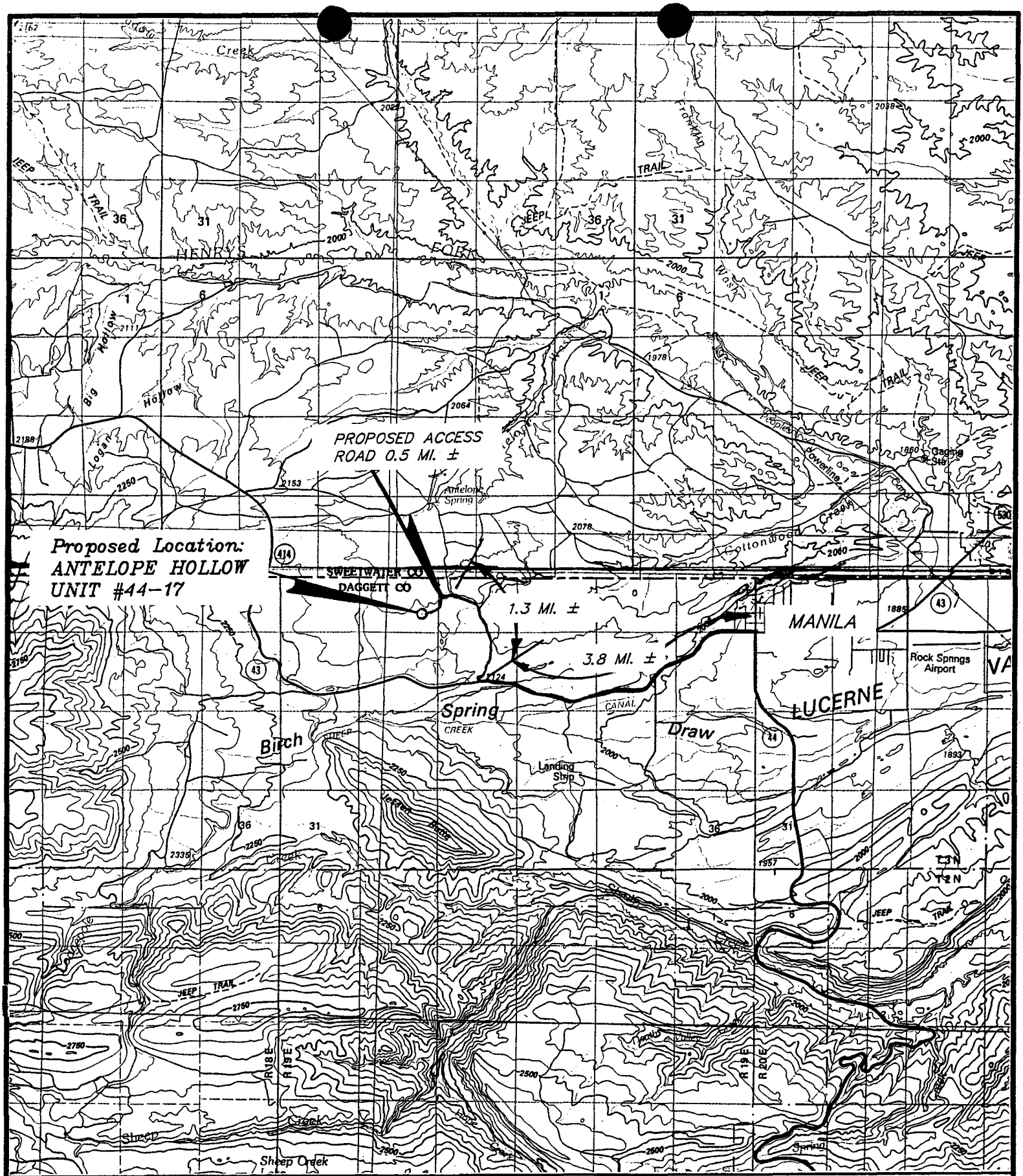
(6") Topsoil Stripping	= 560	Cu. Yds.
Remaining Location	= 4,680	Cu. Yds.
TOTAL CUT	= 5,240	CU.YDS.
FILL	= 2,100	CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	= 3,030	Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 1,220	Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 1,810	Cu. Yds.

Elev. Ungraded Ground at Location Stake = **6948.8'**

Elev. Graded Ground at Location Stake = **6947.8'**

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East Vernal, Utah



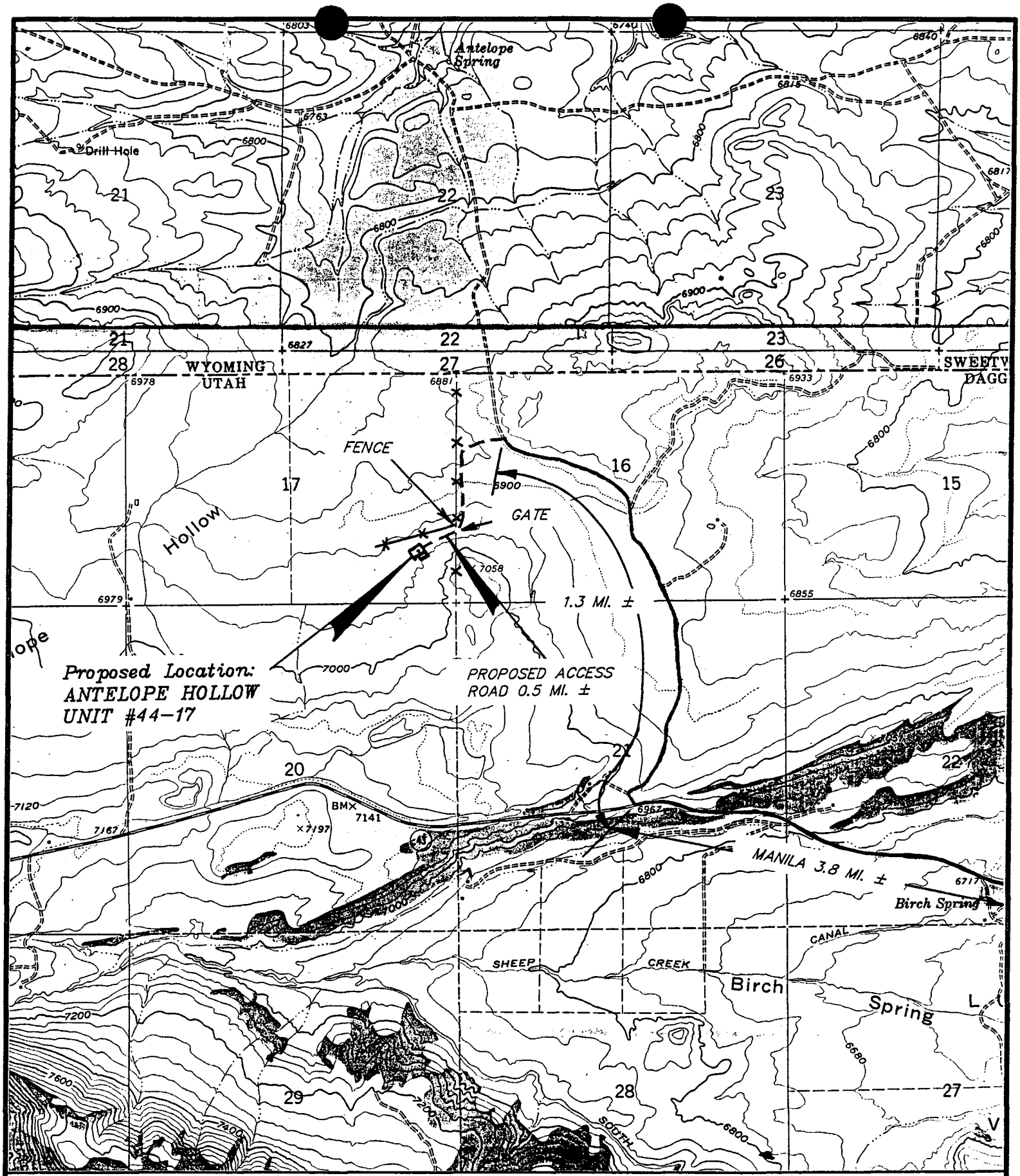
TOPOGRAPHIC
MAP "A"

DATE 6-24-91 MDA

N

HALLWOOD ENERGY CO.

ANTELOPE HOLLOW UNIT #44-17
SECTION 17, T3N, R19E, S.L.B.&M.



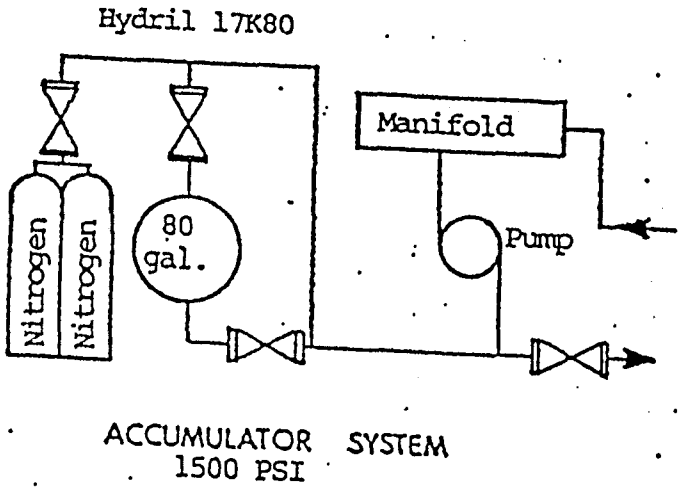
TOPOGRAPHIC
MAP "B"
SCALE: 1" = 2000'
DATE 6-24-91 MDA

N

HALLWOOD ENERGY CO.

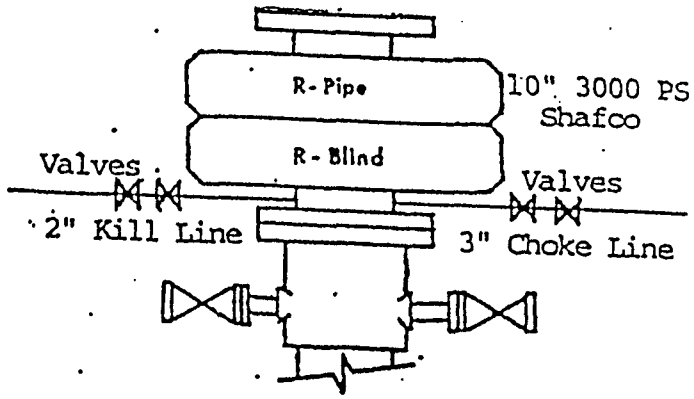
ANTELOPE HOLLOW UNIT #44-17
SECTION 17, T3N, R19E, S.L.B.&M.

ANTELOPE HOLLOW UNIT WELL NO. 44-17

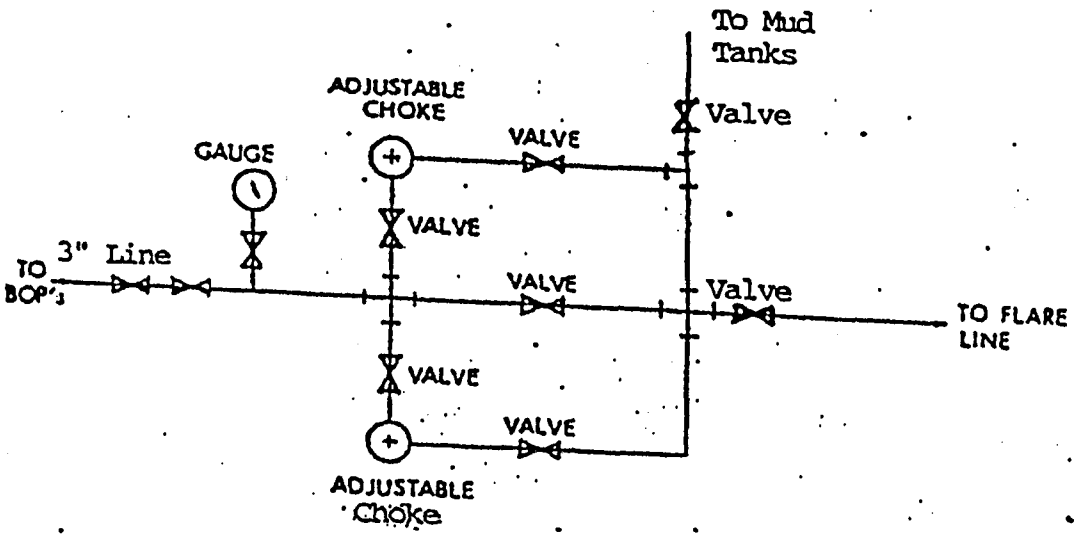


ACCUMULATOR SYSTEM
1500 PSI

If hydrill is available fro contractor, i will be inclu



BLOW-OUT PREVENTION STACK



Choke Manifold 2" 3000 P.S.I.

LCM, Ltd.

P.O. Box 596
Denver, CO 80201
(303) 623-3122

P.O. Box 50124
Billings, MT 59105
(406) 245-9031

June 27, 1991

State of Utah
Division of Oil and Gas Commission
355 West North Temple
Three Triad Center, Suite #350
Salt Lake City, Utah 84180-1203

RE: Permit for Well

Dear Tammy:

Attached please find a permit for the Antelope Hollow Unit Well #44-17 located in Daggett County, Utah.

This well is to be treated as a tight hole and all the necessary information has been included for your review.

We thank you very much for your prompt attention to this as we need to have this completed by 7/20/91.

Please do not hesitate to call (303)623-3122 if you have any questions or need additional information.

Thank you very much!

Sincerely,

Joan K. McCormick
Partner
Agent for Hallwood Petroleum Inc.

enclosures

DRILLING LOCATION ASSESSMENT

State of Utah
Division of Oil, Gas and Mining

OPERATOR: HALLWOOD PETROLEUM INC.
WELL NAME: ANTELOPE HOLLOW UNIT #44-17
SECTION: 17 TWP: 3N RNG: 19E LOC: 625 FEL 804 FSL
QTR/QTR SE/SE COUNTY: DAGGETT FIELD: ANTELOPE HOLLOW UNIT
SURFACE OWNER: GEORGE OLSON
SPACING: 460 F SECTION LINE 460 F QTR/QTR LINE 920 F ANOTHER WELL
INSPECTOR: BRAD HILL DATE AND TIME: 7/3/91 11:00

PARTICIPANTS: Jack Davis-Hallwood, George Olson-Landowner

REGIONAL SETTING/TOPOGRAPHY: The proposed location is on the edge of a broad valley between low mountains. The location is on a hillside with a gentle slope to the northwest, approximately 4 miles from Manila, Utah.

LAND USE:

CURRENT SURFACE USE: The location is on the edge of an irrigated alfalfa field on a hillside which is not under cultivation. The proposed location is in the area which contains the irrigation ditches for this field.

PROPOSED SURFACE DISTURBANCE: A rectangular pad will be constructed with dimensions of 200'X 115' with an, 130'X 50', extension for the reserve pit.

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: Sage, Greasewood, scattered grasses, wildflowers, Prickly pear, Alfalfa on NW edge of loc./Rabbits, Rodents, Birds, Insects

ENVIRONMENTAL PARAMETERS

SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: Silty-clay with abundant rock fragments.

SURFACE FORMATION & CHARACTERISTICS: Bridger Formation-interbedded shales and sandstones.

EROSION/SEDIMENTATION/STABILITY: No active erosion or sedimentation at present. Location should be stable.

PALEONTOLOGICAL POTENTIAL: None observed.

SUBSURFACE GEOLOGY

OBJECTIVES/DEPTHS: Green River-400', Wasatch-3040'

ABNORMAL PRESSURES-HIGH AND LOW: None anticipated.

CULTURAL RESOURCES/ARCHAEOLOGY: Survey done but not required.

CONSTRUCTION MATERIALS: Onsite materials will be used for construction.

SITE RECLAMATION: 12 inches of topsoil will be removed and stockpiled for reclamation. Reclamation will be done according to landowner instructions.

RESERVE PIT

CHARACTERISTICS: The reserve pit will be rectangular in shape with dimensions of 130'X 50'X 8'. The reserve pit will be constructed on the uphill side of the location entirely in cut.

LINING: The surface material would be sufficient for an unlined pit but the landowner indicated that there is a sandstone layer just below the surface. Therefore, the pit should be examined after construction to determine if a synthetic liner is needed.

MUD PROGRAM: Surface hole-Native mud, Remainder of the hole will be drilled with freshwater mud with nitrate tracer.

DRILLING WATER SUPPLY: Purchased from surface owner.

OTHER OBSERVATIONS
The irrigation ditch on the NW edge of the location will have to be relocated or replaced by a culvert.

STIPULATIONS FOR APD APPROVAL
The location should be bermed to protect the irrigated farmland, surrounding the location, from spills on location.
The reserve pit should be inspected after construction to determine if a synthetic liner is needed.

ATTACHMENTS
Photographs will be placed on file.

STATE ACTIONS

Mail to:
RDCC Coordinator
116 State Capitol
Salt Lake City, Utah 84114

1. ADMINISTERING STATE AGENCY
OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

2. STATE APPLICATION IDENTIFIER NUMBER:
(assigned by State Clearinghouse)

3. APPROXIMATE DATE PROJECT WILL START:
July 20, 1991

4. AREAWIDE CLEARING HOUSE(s) RECEIVING STATE ACTIONS:
(to be sent out by agency in block 1)
Uintah Basin Association of Governments

5. TYPE OF ACTION: /_/ Lease /X/ Permit /_/ License /_/ Land Acquisition
/_/ Land Sale /_/ Land Exchange /_/ Other _____

6. TITLE OF PROPOSED ACTION:
Application for Permit to Drill

7. DESCRIPTION:
Hallwood Petroleum, Inc. proposes to drill the UT State #40054 No. 44-17 well (wildcat) on state lease UT State #40054, Daggett County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The Division of Oil, Gas and Mining is the primary administrative agency in this action and must issue approval before operations commence.

8. LAND AFFECTED (site location map required) (indicate county)
SE/4, SE/4, Section 17, Township 3 North, Range 19 East, Daggett County, Utah

9. HAS THE LOCAL GOVERNMENT(s) BEEN CONTACTED?

10. POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR:
Degree of impact is based on the discovery of oil or gas in commercial quantities.

11. NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE:

12. FOR FURTHER INFORMATION, CONTACT:
Frank R. Matthews
PHONE: 538-5340

13. SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL
DATE: 7-10-91 Petroleum Engineer

WOI187

WESTERN
WYOMING
COLLEGE

ARCHAEOLOGICAL
SERVICES

P.O. BOX 428
2500 COLLEGE DR.
ROCK SPRINGS
WYOMING
82902-0428
(307) 382-1666

June 26, 1991

Les McCormick
LCM Limited
410 17th Street, Suite 1910
Denver, CO 80202

RE: 91-WWC-147
Antelope Hollow Unit Well No. 44-17

Dear Les:

Enclosed please find our Class III cultural resource inventory report detailing the archaeological investigations for Hallwood Energy Companies' Antelope Hollow Unit Well No. 44-17 located in Daggett County, Utah.

No significant cultural resources were identified as a result of this project and cultural resource clearance is recommended for the project.

If you have any questions concerning this report, please contact our office.

Sincerely,

Steven D. Creasman
Director

Jana V. Pastor
Project Manager

SDC:JVP:dab

Enclosures

cc: Jim Dykman - Division of State History (2)

1890-1990 WYOMING CENTENNIAL A LASTING LEGACY

CONFIDENTIAL

OPERATOR Hallwood Petroleum Inc. N-5100 DATE 7-10-91

WELL NAME Antelope Hollow Unit # 44-17

SEC SESE 17 T 3N R 19E COUNTY Daggett

43-009-30064
API NUMBER

State (3)
TYPE OF LEASE

CHECK OFF:

[ ] PLAT [ ] BOND Included in APD [ ] NEAREST WELL

[ ] LEASE [ ] FIELD SLBM [ ] POTASH OR OIL SHALE

PROCESSING COMMENTS:
No other producing well in Sec 17.
Water Permit has been applied for by George Olsen.
RDCC 7-10-91
Onsite 7-5-91 / Geology reviewed 7-9-91

APPROVAL LETTER:

SPACING: [ ] R615-2-3 N/A UNIT [ ] R615-3-2

[ ] N/A CAUSE NO. & DATE [ ] R615-3-3

CONFIDENTIAL PERIOD EXPIRED ON 9-18-92

STIPULATIONS:

1. Needs water permit
2. The location should be bermed to prevent runoff onto the surrounding farmland.
3. The reserve pit is to be inspected after construction to determine if a liner is necessary.

0218T

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

July 10, 1991

Hallwood Petroleum, Inc.
4582 South Ulster Parkway, Suite 1700
Denver, Colorado 80237

Gentlemen:

Re: Antelope Hollow #44-17 Well, 804 feet from the South line, 625 feet from the East line, SE SE, Section 17, Township 3 North, Range 19 East, Daggett County, Utah

Approval to drill the referenced well is hereby granted in accordance with Utah Admin. R.6l5-3-2, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann. Section 73-3, Appropriation.

2. The location should be bermed to prevent runoff to the surrounding farm land.

3. The reserve pit is to be inspected after construction to determine is a liner is necessary.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification within 24 hours after drilling operations commence.

2. Submittal of Entity Action Form 6, within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.

3. Submittal of the Report of Water Encountered During Drilling, Form 7.

4. Prompt notification in the event it is necessary to plug and abandon the well. Notify R. J. Firth, Associate Director, (Office) (801) 538-5340, (Home) 571-6068, or J. L. Thompson, Lead Inspector, (Home) 298-9318.

5. Compliance with the requirements of Utah Admin. R.615-3-20, Gas Flaring or Venting.

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of Drinking Water/Sanitation, telephone (801) 538-6159.

7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-009-30064.

Sincerely,

R. J. Firth
Associate Director, Oil & Gas

tas
Enclosures
cc: Bureau of Land Management
Division of State Lands
J. L. Thompson
we14/1-6

Norman H. Bangerter
Governor
Max J. Evans
Director

State of Utah
Division of State History
(Utah State Historical Society)
Department of Community and Economic Development
300 Rio Grande
Salt Lake City, Utah 84101-1182
801-533-5755
FAX: 801-364-6436

July 8, 1991

Joan K. McCormick
Partner
LCM, Ltd.
P. O. Box 596
Denver, CO 80201

Hallwood Petro

RE: DOGM Application for Gas Well, Antelope Hollow Unit, No. 44-17

In Reply Please Refer to Case No. 91-0710 43-009-30067 Sec. 17, T3N, R19E

Dear Ms. McCormick:

The Utah State Historic Preservation Office received the above referenced report on July 1, 1991. We have not received a request for Section 106 consultation from the federal agency permitting or funding the project. Therefore, we cannot comment on the effect of the federal agency's undertaking on historic properties at this time.

The report and any accompanying forms have been filed in our archaeological data files. Additional requests for information or assistance on the data contained in the report or forms should be directed to Evelyn Seelinger, Data Manager, at (801) 533-4563. If we can be of any assistance, please call us at (801) 533-7039.

Sincerely,

James L. Dykman
Regulation Assistance Coordinator

JLD:91-0710 OR

c: Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RECEIVED
JUL 18 1991
DIVISION OF
OIL GAS & MINING

DIVISION OF OIL, GAS AND MINING

API NO. 43-009-30064

SPUDDING INFORMATION

NAME OF COMPANY: HALLWOOD PETROLEUM INC.

WELL NAME: ANTELOPE HOLLOW #44-17

SECTION SESE 17 TOWNSHIP 3N RANGE 19E COUNTY DAGGETT

DRILLING CONTRACTOR CHANDLER

RIG # 1

SPUDDED: DATE 7-30-91

TIME 3:00 p.m.

HOW ROTARY

CONFIDENTIAL

DRILLING WILL COMMENCE

REPORTED BY KEVIN OCONLLEY

TELEPHONE # 303-850-6303

DATE 7-31-91 SIGNED TAS

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
DRILLING AND WELL PLUGGING INSPECTION FORM

COMPANY: Hallwood Energy Companies COMPANY MAN: Lewis Blaylock

WELL NAME: Antelope Hollow 44-17 API #: 43-047-30064

QTR/QTR: SE/SE SECTION: 17 TWP: ~~13S~~ 3N RANGE: 19E

CONTRACTOR: Chandler #1 PUSHER/DRLR: _____

INSPECTOR: John Berrier DATE: 8-11-91 OPERATIONS: Prep to install-Underground Marker Prep to Rig down -

SPUD DATE: 7-30-91 3 PM - Chandler TOTAL DEPTH: 4701 - Driller & 4695 Loggers

DRILLING AND COMPLETIONS

_____APD	_____WELL SIGN	_____BOPE	_____RESERVE PIT
_____FLARE PIT	_____BURN PIT	_____H2S	_____BLOOIE LINE
_____SANITATION	_____HOUSEKEEPING	_____VENTED/FLARED	

PLUGGING AND ABANDONMENT PRODUCING FM(S): _____

PLUGS:	TYPE/SIZE	INTERVAL
1	Class G w/2% CaCl2 - 50 SX	2972 - 2789 -
2	Class G w/2% CaCl2 - 40 SX	560 - 426 Surface Csg Set @ 583
3	Class G w/2% CaCl2 - 10 SX	Top Surface Csg
4		
5		

PERFORATIONS: _____

CASING SIZE: 9 5/8" 24# K-55 PULLED: YES / NO CUT AT: _____

PLUGS TESTED: No HOW: _____ WOC: _____

MARKER: SURFACE: _____ PLATE: ✓

RECLAMATION:

CONTOURED: _____ RIPPED: _____ REHAB'D: _____

LEGEND: (Y)-YES (P)-PROBLEM (U)-UNKNOWN (BLANK)-NOT APPLICABLE

REMARKS: Cement top 5' from Surface. - Underground marker will be welded on surface csg after Cutting off. Csg. See Picture of Marker w/ Info.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
CEMENTING OPERATIONS

COMPANY NAME: HALLWOOD PETROLEUM COMPANY MAN: LEWIS BLAYLOCK

WELL NAME: ANTELOPE HOLLOW #44-17 WELL SIGN: YES

QTR QTR: SESE SECTION: 17 TWP: 03 NORTH RANGE: 19 EAST

CEMENTING COMPANY: WESTERN COMPANY OF NORTH AMERICA

INSPECTOR: CAROL KUBLY DATE: 08.01.91

CEMENTING OPERATIONS:

SURFACE CASING: YES INTERMEDIATE:_____PROD. CASING:_____

CASING INFORMATION:

SIZE: 8 5/8" GRADE: K-55 WEIGHT: 24 # LENGTH: 527.70'
HOLE SIZE: 12 1/4" DEPTH: 532'

SLURRY INFORMATION

1. CLASS:
   LEAD: G + 2% CaCl + 1/4 PPS CELLOSEAL

2. SLURRY WEIGHT:
   LEAD: 15.8 TAIL:

3. WATER (GAL / SX)
   LEAD: 4.97 TAIL:

PIPE CENTRALIZED: X5 + 1 STOP RING + 3 BASKETS CEMENTING STAGES: 1

LOST RETURNS: NO REGAIN RETURNS: NO BARRELS LOST: ?

TOP OF CEMENT: ? CEMENT TO SURFACE?: NO % EXCESS: 100 %

ADDITIONAL COMMENTS: PUMPED 20 BBL WATER THEN 81.9 (-5 LOST) OR 400 SXS (-25 LOST) CEMENT SLURRY. DROPPED PLUG AND DISPLACED WITH 30.8 BBL FRESH WATER. BUMPED PLUG W/ 700 # AND THEN BLED OFF TO 100 # AND SHUT IT IN. NO CEMENT TO SURFACE. WILL 1" DOWN THE BACK SIDE TO BRING CEMENT TO SURFACE.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM - FORM 6

OPERATOR Hallwood Petroleum, Inc.

ADDRESS 4582 South Ulster St. Parkway
Denver, Colorado 80237

OPERATOR ACCT. NO. N 5100

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	N/A	11259	43-009-30064	Antelope Hollow Unit #44-17	SESE	17	3N	19E	Daggett	07/30/91	

WELL 1 COMMENTS:

Spud well at 3:00 p.m. July 30, 1991 with 12 1/4" hole and Chandler Drilling Corporation Rig #1.

WELL 2 COMMENTS: State-Lease
Field-Wildcat
Unit-N/A
Prop. Zone-WSTC
(Entity added 8-8-91) ff

WELL 3 COMMENTS:

WELL 4 COMMENTS:

WELL 5 COMMENTS:

ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

RECEIVED
AUG 0 5 1991
DIVISION OF
OIL GAS & MINING

Debi Sheely
Signature Debi Sheely
Sr. Engineering Tech 8/2/91
Title Date
Phone No. (303) 850-6207

Norman H. Bangerter
Governor
Max J. Evans
Director

State of Utah

Division of State History
(Utah State Historical Society)
Department of Community and Economic Development
300 Rio Grande
Salt Lake City, Utah 84101-1182
801-533-5755
FAX: 801-364-6436

July 22, 1991

Halwood Petr. Inc
43-009-30064

Karl Kappe
Division of State Lands and Forestry
3 Triad Center, suite 400
355 West North Temple
Salt Lake City, Utah 84180-1250

RE: 91-WWC-147, Antelope Hollow Unit Well No. 44-17 Sec. 17, T. 3N, R. 19 E

In Reply Please Refer to Case No. 91-0710

Dear Mr. Kappe:

The Utah State Historic Preservation Office received the above referenced report on July 1, 1991. The preservation office has recieved a copy of the archaeological report for this project. There is no problem with the report, and our office recommends a determination of no effect, does your office have any questions or comments about the report?

This information is provided on request to assist State Lands and Forestry with its responsibilities as specified in UCA 63-18-37. If you have questions or need additional assistance, please contact me at (801) 533-7039.

Sincerely,

James L. Dykman
Regulation Assistance Coordinator

JLD:91-0710 OR/NE/NP

c: Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

THE WESTERN COMPANY
CEMENT JOB DETAIL SHEET

CUSTOMER	DATE	F.R. #	SER. SUP.	TYPE JOB
Hallwood Pet. Inc	8-14-91	L 5567 H	Ted Dowell	P & A

LEASE & WELL NAME-OCSG	LOCATION	COUNTY-PARISH-BLOCK
Antelope Hollow #44-17	Sec 17 T3S R19E	Daggett

DISTRICT	DRILLING CONTRACTOR RIG #	OPERATOR
Vernal	Chandler	Same

MATERIAL FURNISHED BY WPS	TYPE OF PLUGS TOP / BTM	LIST-CSG-HARDWARE	SQ MANI FOLD Y N	TOP OF EACH FLUID	PHYSICAL SLURRY PROPERTIES: SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
50 Sk Class G + 2% CaCl₂	—	—		2734	15.8	1.14	4.97		10	5
40 Sk Class G + 2% CaCl₂				4426	15.8	1.14	4.97		8	4
10 Sk Class G + 2% CaCl₂				5	15.8	1.14	4.97		2	1
								TOTAL		

Available Mix Water 300 Bbl. Available Displ. Fluid 300 Bbl.

HOLE SIZE	% EXCESS	DEPTH	~~TBG-CSG~~-D.P. SIZE	WGT.	TYPE	DEPTH	~~TBG~~-CSG-~~D.P.~~ SIZE	WGT.	TYPE	DEPTH	COLLAR DEPTHS SHOE	FLOAT	STAGE
7 7/8	—		4 1/2	Hallo		2732	8 5/8	24	K-55	525	—	—	—

LAST CASING SIZE	WGT	TYPE	DEPTH	PKR-CMT RET-BR PL-LINER BRAND & TYPE	PERF. DEPTH DEPTH	TOP	BTM	TOP CONN SIZE	THREAD	WELL FLUID TYPE	WGT.
—	—	—	—	—	—	—	—	4 1/2		mud	9.2

CAL. DISPL. VOL.-Bbl. TBG.	CSG.	CSG.	TOTAL	CAL. PSI BUMP PLUG	CAL. MAX PSI TO REV	OP. MAX SQ. PSI	MAX TBG PSI RATED	OP.	MAX CSG PSI RATED	OP.	DISPL. FLUID TYPE	WGT.	WATER SOURCE
—	—	—	—	—	—	—	—	—	2950	2360	H₂O / mud	8.37 / 9.2	rig tank

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG., ETC. PRIOR TO CEMENTING: —

PRESSURE/RATE DETAIL

TIME HR: MIN.	PRESSURE-PSI PIPE	ANNULUS	RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	EXPLANATION
						SAFETY MEETING: WPS CREW ☑ CO. REP ☐
						TEST LINES PSI
12:00 MIRU on Location						CIRCULATING WELL-RIG ☑ WPS ☑
2:15			2	5	H₂o	Start H₂o ahead (Plug #1) 2732'
2:21			2	10	Cmt	Start cement (15.8)
2:30			2	2	H₂o	Start H₂o behind
2:40			2	37	mud	Start displacement
2:50			—	—	—	End displacement
4:40			2	5	H₂o	H₂o ahead (Plug # 2) 560'
4:43			2	3	Cmt	Start Cement
4:50			2	2	H₂o	behind H₂o
4:51			2	4	mud	Start displacement
4:53			—	—	—	End displacement
5:30			2	5	H₂o	Start Fresh ahead (Plug # 3) Surf
5:32			2	2	Cmt	Start cement
5:34			2	1	H₂o	Start Fresh behind (displacement)
5:36			—	—	—	End displacement

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	TOTAL Bbl. PUMPED	Bbl. CMT RETURNS/ REVERSED	PSI LEFT ON CSG	SPOT TOP CEMENT	SER. SUP.	CUSTOMER REP.
~~Y~~ N	—	~~Y~~ N	81	None	None	Surf	Ted Dowell	Lew Blaylock

Division of Oil, Gas and Mining

PHONE CONVERSATION DOCUMENTATION FORM

conf.

Route original/copy to:

[X] **Well File** Utah State 44-17

(Location) Sec 17 Twp 3N Rng 19E

(API No.) 43-009-30064

[ ] **Suspense** (Return Date) _____ (To - Initials) _____

[ ] **Other** _____

1. Date of Phone Call: 8/10/91 Time: 3:30 PM

2. DOGM Employee (name) Frank Matthews (Initiated Call [ ])
   Talked to:
   Name Kevin O Connel (Initiated Call [X]) - Phone No. ( )
   of (Company/Organization) Hallwood Pets. Co.

3. Topic of Conversation: P & A of ref well. Loc. of plugs. time of plugging. Would be plugging @ 1:00 AM 8/11/91

4. Highlights of Conversation: Ask about porous zones on logs & Water flows. None were apparent. Set cement plugs of not less than 100' at the top of the Wasatch, ±3000'. Set plug 50' in + 50 out surface casing shoe and 10 sk plug at surface. Farmer wanted pipe cut off below plow depth. Ask him to inscribe loc & well name on plate.

(Note:)
Well plugging was finished by the time the inspector got to location on Sunday Morning. 8/11/91. Well is P & A'd. Loc has not been reclaim'd.

Form OGC-1b

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE* (other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER Dry Hole

2. NAME OF OPERATOR: HALLWOOD PETROLEUM, INC.

3. ADDRESS OF OPERATOR: P. O. Box 378111, Denver, CO 80237

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 625' FEL & 804' FSL (SE SE)

5. LEASE DESIGNATION AND SERIAL NO.: UT State #40054

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: Antelope Hollow Unit

8. FARM OR LEASE NAME: UT State #40054

9. WELL NO.: 44-17

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 17-T3N-R19E

14. PERMIT NO.: 43-009-30064

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6949' GL, 6959' DF, 6960' KB

12. COUNTY OR PARISH:

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	X
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			☐
(Other)	☐			(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Set 40' of 16" conductor.

Spud 12-1/4" hole on 7/30/91 @ 3:00 PM with Chandler Rig #1.

Drill 12-1/4" hole to 532', run 8-5/8" new 24# J-55 ST&C surface casing. Cement to surface with 500 sx cement.

Drill 7-7/8" hole to 4701' total depth. Ran Sonic Log and Check Shot Velocity Log.

Plug well with 50 sx Class "G" plug at 2872'-2972'; 50 sx plug at 460'-560' and 10 sx surface plug.

Cut off 8-5/8" casing 4' below ground level and weld on plate with I.D. info, completed on 8/12/91.

RECEIVED
SEP 16 1991
DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED Debi Shuly TITLE Sr. Eng. Tech. DATE 9-13-91

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form OGC-1b

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: UT State 40054

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1. OIL WELL ☐ GAS WELL ☒ OTHER P&A

7. UNIT AGREEMENT NAME: Antelope Hollow Unit

2. NAME OF OPERATOR: HALLWOOD PETROLEUM, INC.

8. FARM OR LEASE NAME: UT State 40054

3. ADDRESS OF OPERATOR: P. O. Box 378111, Denver, CO 80237

9. WELL NO.: #44-17

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 625' FEL & 804' FSL, SE SE Section 7, T3N-R19E

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SE SE 17-T3N-R19E

14. PERMIT NO.: 43-009-30064

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6949' GR

12. COUNTY OR PARISH: Daggett

13. STATE: Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☒	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☒
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			☐
(Other)			☐	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Spud well 7/30/91.
Drilled 12¼" hole to 532', set 12 jts new 8-5/8" J-55 ST&C casing, Cement to surface w/500 sx cment.
Drill 7-7/8" hole to 4701'.
Ran logs and velocity survey. No DST's or coring.

Set plugs as follows:
50 sx Class "G" cement plug at 2972-2872'.
50 sx plug at 560-460'.
10 sx plug at surface to 37'.

RECEIVED
OCT 07 1991
DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED Debi Shelley TITLE Sr. Engineering Tech. DATE 10/2/91

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

FORM 8

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED
OCT 21 1991
DIVISION OF OIL, GAS & MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NO.: UT State 40054

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other

b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

7. UNIT AGREEMENT NAME: Antelope Hallow Unit

8. FARM OR LEASE NAME: UT State 40054

2. NAME OF OPERATOR: Hallwood Petroleum, Inc.

9. WELL NO.: #44-17

3. ADDRESS OF OPERATOR: P.O. Box 378111 Denver, CO 80237

10. FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)
At surface: 625' FEL 804' FSL
At top prod. interval reported below
At total depth

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: SESE 17-3N-19E

14. API NO.	DATE ISSUED	12. COUNTY	13. STATE
43-009-30064		Daggett	Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)	19. ELEV. CASINGHEAD
7/30/91	8/10/91	8/12/91 (Plug & Abd.)	6949' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
4701'	Surface	N/A	→	4701'	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)

25. WAS DIRECTIONAL SURVEY MADE

8-14-91

26. TYPE ELECTRIC AND OTHER LOGS RUN: BHC ACOUSTIC GAMMA RAY, DUAL INDUCTION SFL/SP, Sonic/Check Shot Velocity, MUDLOG, GEOLOGIC REPORT

WAS WELL CORED YES ☐ NO ☒ (Submit analysis)
DRILL STEM TEST YES ☐ NO ☒ (See reverse side)

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	532"	12-1/4"	500 SX	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)
N/A				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A		

31. PERFORATION RECORD (*Interval, size and number*)

N/A

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
N/A	

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
N/A		

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Debi Sheely TITLE Sr. Engineering Technician DATE 10/16/91

Debi Sheely

See Spaces for Additional Data on Reverse Side

(3/89)

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producinginterval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES:
Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

Formation	Top	Bottom	Description, contents, etc.

38. GEOLOGIC MARKERS

Name	Top	
	Meas. Depth	True Vert.Depth

Acct No. N5740

FORM 3

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED
JUL - 8 1994

5. Lease Designation and Serial Number: UT State ML-40054-A

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

6. If Indian, Allottee or Tribe Name: N/A

1A. Type of Work: DRILL ☐ DEEPEN ☒

7. Unit Agreement Name: Antelope Hollow

B. Type of Well: OIL ☐ GAS ☒ OTHER: SINGLE ZONE ☒ MULTIPLE ZONE ☐

8. Farm or Lease Name: UT State ML-40054-A

2. Name of Operator: Preston Oil Company, L.P.

9. Well Number: #44-17

3. Address and Telephone Number: P.O. Box 7520, The Woodlands, TX 77387 (713) 367-8697

10. Field and Pool, or Wildcat: Wildcat

4. Location of Well (Footages)
At Surface: 625' FEL 804' FSL
At Proposed Producing Zone:

11. Qtr/Qtr, Section, Township, Range, Meridian: $SE\frac{1}{4}SE\frac{1}{4}$ Sec. 17 T3N-R19E

14. Distance in miles and direction from nearest town or post office: Approx. 4 miles South of Manila, Utah

12. County: Daggett

13. State: UTAH

15. Distance to nearest property or lease line (feet): 625'

16. Number of acres in lease: 1,737.60

17. Number of acres assigned to this well: 640.00

18. Distance to nearest well, drilling, completed, or applied for, on this lease (feet):

19. Proposed Depth: 8,000'

20. Rotary or cable tools:

21. Elevations (show whether DF, RT, GR, etc.): 6,949' GR

22. Approximate date work will start: July 15, 1994

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24 lbs	532'	500
7 7/8	5 1/2	17 lbs	8,000'	500 sacks

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

Re-enter and deepen to +/- 8,000 feet the Hallwood Petroleum Antelope Hollow Unit #44-17 well.

This well was spudded on 7/30/91 and reached TD of 4,701 feet
On 8/11/91 the well was P&A in compliance with regulations.

Preston Oil Company, L.P. will re-enter and deepen the well to +/_ 8,000 feet to evaluate the Ft. Union Formation.

24.
Name & Signature: [signature] Title: Contract Landman Date: 7/8/94

(This space for State use only)

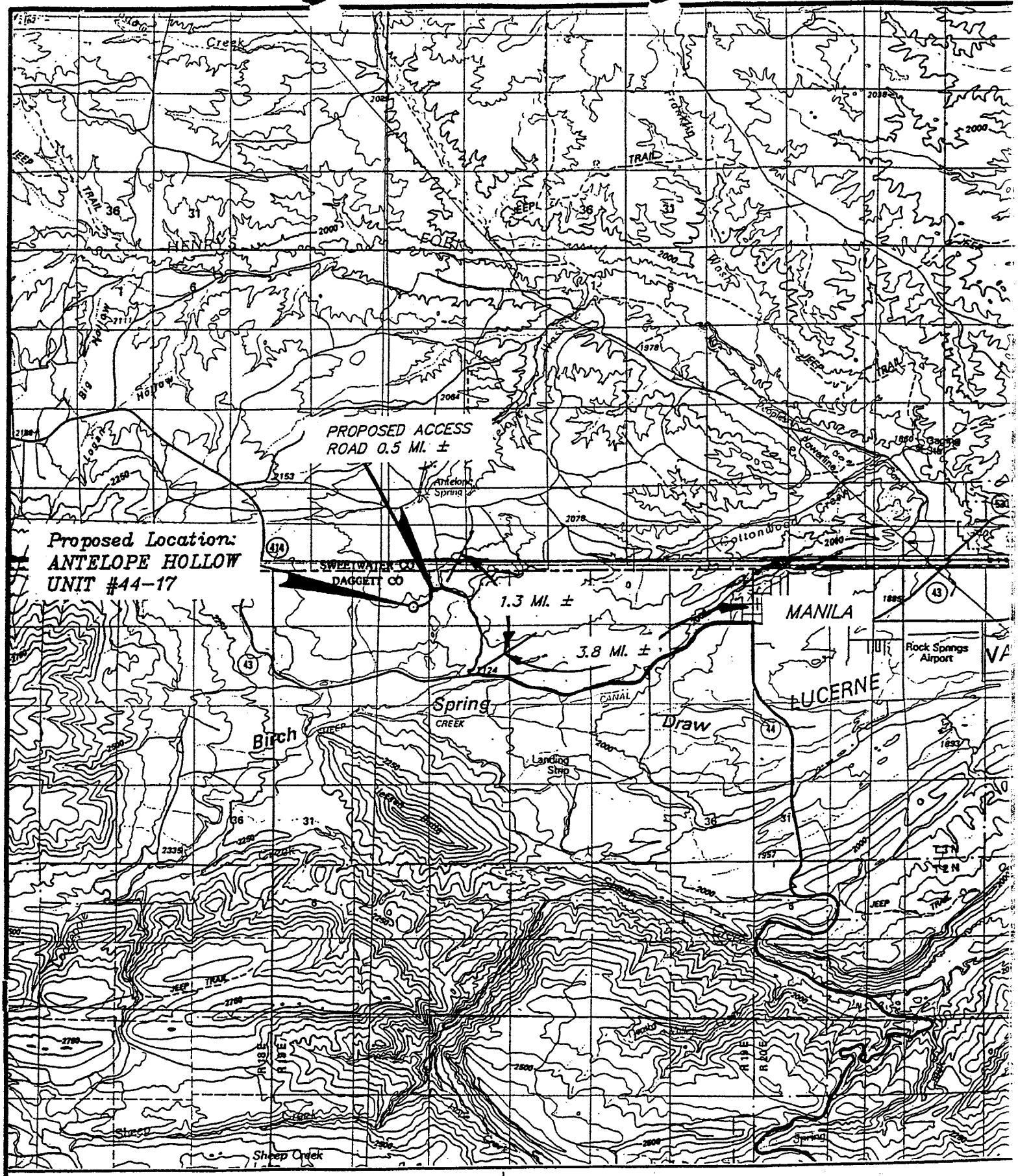
API Number Assigned: 43-009-30064

Approval:

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 7/19/94
BY: [signature] Matthews
WELL SPACING: R649-3-2

(1\93)

(See Instructions on Reverse Side)



TOPOGRAPHIC
MAP "A"

DATE 6-24-91 MDA

N

PRESTON OIL COMPANY, L.P.

Antelope Hollow # 44-17
Section 17: T3N,R19E, SLB & M

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL OR DEEPEN

Company:	**Preston Oil Company, L.P.**
Well No.:	**Antelope Hollow Unit Well No. 44-17**
Location:	**SE¼SE¼ Sec. 17, T3N, R19E (approximately 625' FEL 804' FSL) Daggett County, Utah**
Onsite Inspection date:	_____

All operations will be conducted in such a manner that is in full compliance with applicable laws, regulations (Utah Code Ann. 40-6-1 Et Seq.,), and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

1. **Application for Permit to Drill or Deepen:**
   See attached Form 3.

2. **Additional Information for Application for Permit to Drill or Deepen.**

   2.1 Contact Person and Telephone Number:

Company Representative:	Jim Lovan	(713) 367-8697
Consultants (Local Contacts):	Mark S. Dolar	(801) 561-3121
	James D. Cooper	(801) 277-6671

   2.2 Lease Identification:
   State of Utah Lease ML-40054-A

   2.3 Unit Identification:
   Antelope Hollow Unit

   2.4 Plats:
   See attached plat for well pad layout and access map.

   2.5 Division of Water Rights Approval:
   Water will be purchased from Floyd Briggs Ranch. The location of water will come from a pond located in T12N, R110W Sec.22.

   2.6 Drilling Program

2.6.1 Estimated tops of geologic markers:

Wasatch Formation	+/- 3,050 feet
Fort Union Formation	+/- 6,500 feet

2.6.2 Estimated depths of anticipated water, oil or gas and contingency plans:

4,710 feet to 8,000 feet-possible to encounter a productive zone within these depths. All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth, cased and cemented. All oil and gas shows will be tested to determine commercial potential.

2.6.3 Minimum specifications for pressure control:

Bottom Hole Pressures will be checked by pressure method prior to drilling. A Rotating Head will be used and checked.

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and will be recorded on the daily drilling report.

See attached Plat for schematic diagram.

2.6.4 Casing Program and Auxiliary Equipment:

Locate existing well 8-5/8" surface casing. Install 8-5/8" casing extension and casing head to accept contractor's BOP assembly. Dig rat and mouse hole.

Mobilize rig, rig up and prepare to drill existing P&A plugs as follows:

10 sx Plug surface to 37'
50 sx Plug 460' to 560'
50 sx Plug 2872' to 2972'

Wash down and ream 7-7/8" hole to old T.D. of 4701'.

Condition mud system and drill new 7-7/8" hole to approximately 8000' to evaluate the Ft. Union formation. Conduct DST to evaluate any interval that contains hydrocarbon in amounts considered adequate to justify test.

Condition hole and log as indicated.

Evaluate logs, prepare hole for 5-1/2" casing or plugging as required by State of Utah Division of Oil, Gas and Mining. The casing used will be new, 17#, K-55, LT&C.

Cement Program: Approximately 500 sacks of Glass "G" cement with additives will be used, followed by 65/35 Poz to cover all productive zones. Cement will be set from the shoe to approximately 6000 feet. Actual cement volumes will be determined from Caliper Log.

Anticipated cement tops will be reported as to depth, not the expected number of sacks.

2.6.5 Type and characteristics of proposed circulation medium:

0-4700	DRILLING FLUID SUMMARY
Mud System:	Fresh water/Low solids new drill system
Products:	Milgel, new drill, milpac, caustic soda, bicarbonate of soda.
Mud Weight:	8.7 - 9.0 PPG
Viscosity:	35 - 38 SEC/QT
API Fluid Loss:	8 - 10 cc
Recommendations:	Build fluid in surface tanks and pretreat with bicarb of soda. As old fluid is circulated out of hole the mud engineer needs to evaluate and determine if the fluid can be reused or discarded. As cement plugs are drilled the calcium levels need to be tested and treated with bicarb of soda. Maintain a low fluid loss 10 cc and adequate viscosity to clean the hole.

4700-8000	NEW DRILL SYSTEM
Products:	Milgel, new drill, milpac, caustic soda, L.C.M.
Mud Weight:	8.8 - 9.1 PPG
Viscosity:	32 - 36 SEC/QT
API Fluid Loss:	8 - 10 cc
Recommendations:	As new hole is being drilled continue drilling with the polymer (new drill) and low fluid loss (8 - 10 cc). Maintain a low mud weight, as lost circulation is the primary problem in the lower interval. Mix batch treatment of L.C.M. and spot opposite the thief zone if losses occur.

2.6.6 Coring, Logging and Testing Program:

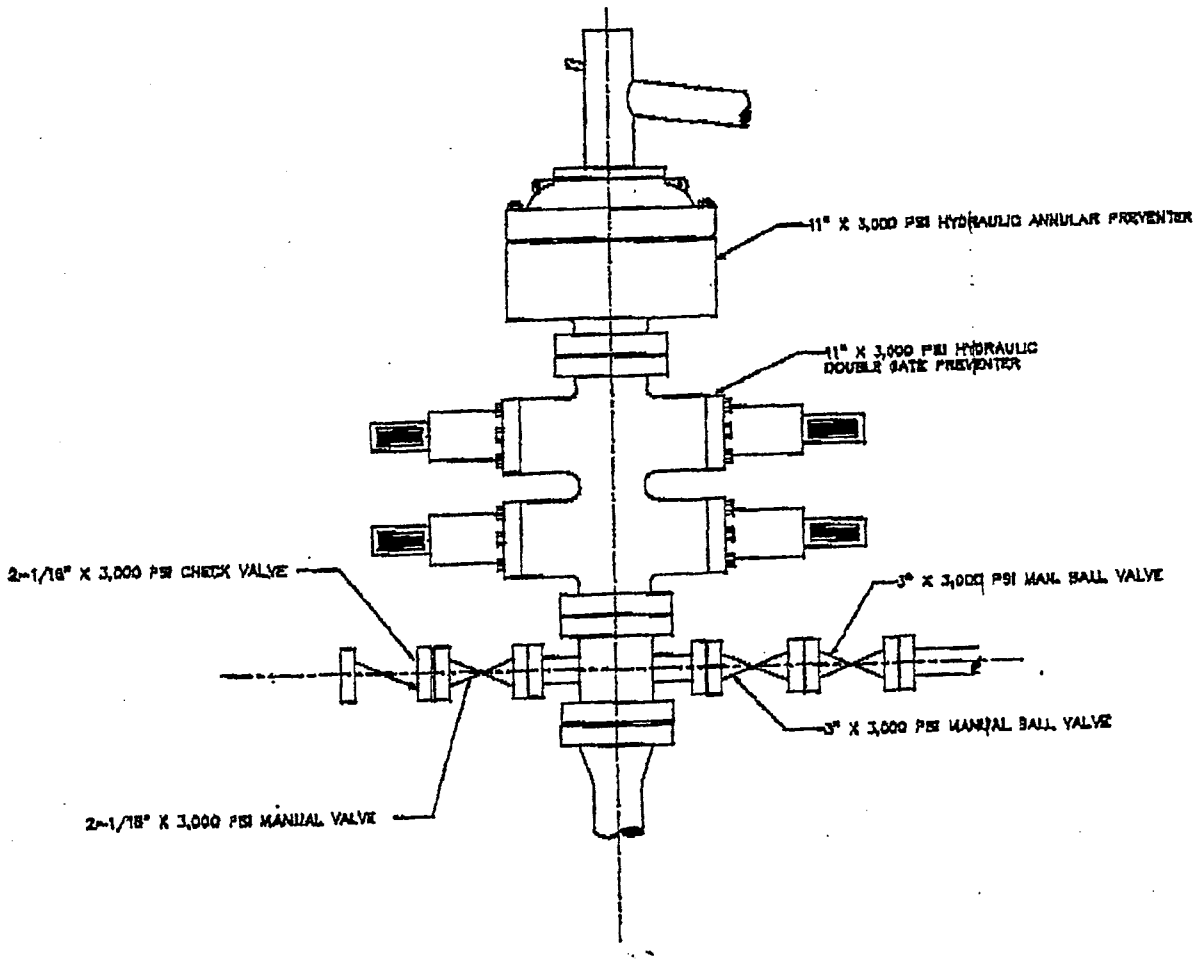
Dual Induction/Sonic Log	4,700′ to 8,000′
Density Neutron	4,700′ to 8,000′
Dip Meter	4,700′ to 8,000′
Caliper Log	4,700′ to 8,000′
Check Shot Survey	200 Stations
Coring	Not Anticipated
Testing	As required

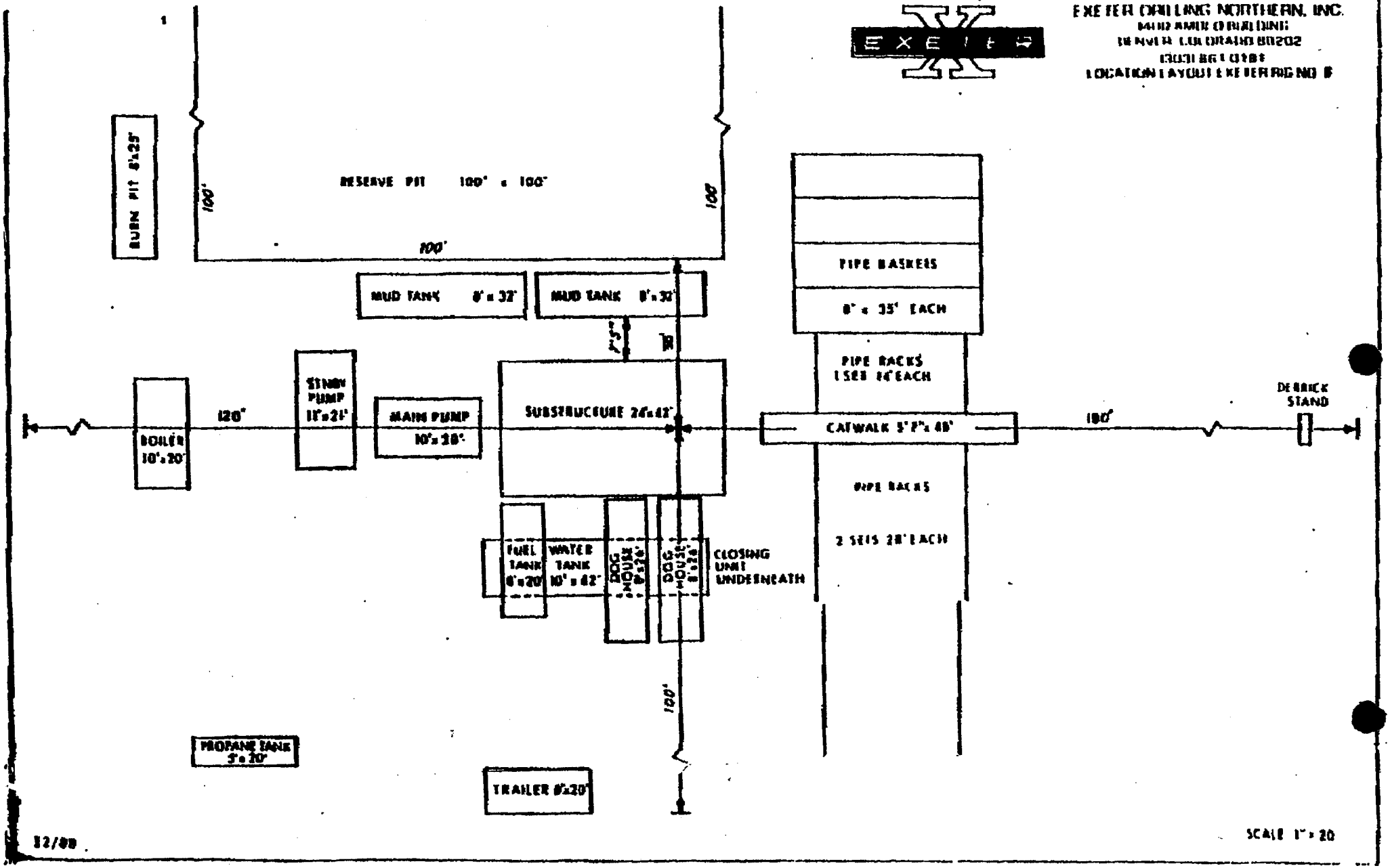
A mud logger will be present during the drilling of the well. Logs will be evaluated and a determination will be made to complete or plug the well.

2.6.7 Bottom Hole Pressures, Abnormal Pressures or Temperatures and Potential Hazards:

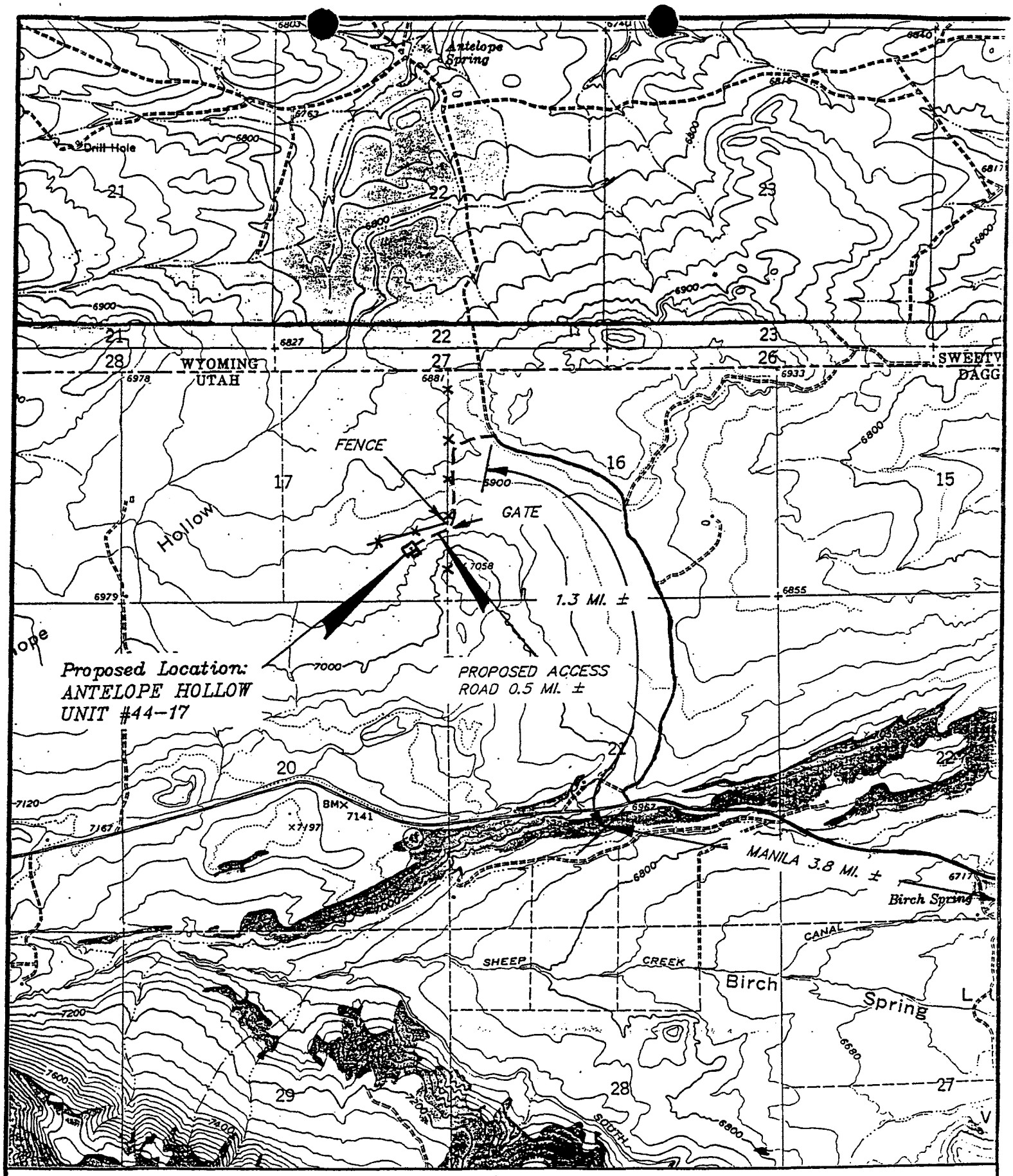
No abnormal gas pressures or temperatures are expected. Hydrogen Sulfide or other hazardous gases or fluids are not known in the area. Maximum anticipated bottom hole pressures equal approximately 2700 psi. Anticipated surface pressures equal approximately 1350 feet.

BOTTOM HOLE PRESSURE DIAGRAM
Preston Oil Company, L.P.
Antelope Hollow #44-17
Sec 17: SE¼SE¼; T3N,R19E





LOCATION OF LAYOUT
Preston Oil Company, L.P.
Antelope Hollow #44-17
Sec 17: SE¼SE¼; T3N,R19E



TOPOGRAPHIC

MAP "B"

SCALE: 1" = 2000'

DATE 6-24-91 MDA

N

PRESTON OIL COMPANY, L.P.

Antelope Hollow # 44-17
Section 17: T3N,R19E, SLB & M

INVENTORY RIG NO. 8

Drawworks - Brewster N-7 with 36" Hydromatic

Engines - (2) Caterpillar D-353TA, 375 H.P. each

Pump and Power - Emsco DB-550, compound driven with 5-1/2" liners, maximu operating pressure 1500 psi at 64 spm

Auxiliary Pump and Power - National C-375 with 5" liners, powered by Caterpillar D-353 engine, maximum operating pressure 1300 psi at 60 spm

Mast and Substructure - Lee C. Moore 131', 510,000# GNC, 325,000# Max Hoo Load on 8 lines. 10' Substructure with 8' Rotary Beam Clearance

Traveling Block - Emsco R-36-5, 250 Ton

Hook - Web Wilson H-250, 250 Ton

Swivel - National N-69, 300 Ton

Rotary Table - Emsco 17-1/2"

BOP - Shaffer 10" - 3000 psi, Type E Double Gate Hydraulic Preventer with Koomey 5 Station Closing Unit, 280 gallon accumulator and National 2" x 3" - 3000 psi Choke Manifold

Mud System - Two Steel Mud Tanks, 500 Barrel Total Capacity with Link Bel NRM 145 Single Shaker

Generator - 100 KW with Caterpillar 3304T Engine
90 KW with Caterpillar 3304T Engine

Drill Pipe - 4-1/2", 16.60#, Grade E

Drill Collars - 6-1/2" OD, 24 D.C.

Water Storage - 465 Barrel Steel Tank

Supervisor's Quarters - Skid Mounted Trailer

Additional Equipment - 1) Drilling Time Recorder - Eastman 2-Pen
2) Automatic Driller - Swaco
3) Straight Hole Instrument - Eastman 12°
4) Boiler - York Shipley 100 H.P.
5) Communications - 2-Way Radio with 24 Hour Answering Service

10/12/93

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 07/08/94

API NO. ASSIGNED: 43-009-30064

WELL NAME: ANTELOPE HOLLOW 44-17 RE-ENTER RY
OPERATOR: PRESTON OIL COMPANY LP (N5140)

PROPOSED LOCATION:
SESE 17 - T03N - R19E
SURFACE: 0625-FEL-0804-FSL
BOTTOM: 0625-FEL-0804-FSL
DAGGETT COUNTY
WILDCAT FIELD (001)

LEASE TYPE: STA
LEASE NUMBER: ML-40054-A

PROPOSED PRODUCING FORMATION: FTUN

INSPECT LOCATION BY: 07/13/94		
TECH REVIEW	Initials	Date
Engineering	~~JMM~~	7/19/94
Geology	PGJ.	7/15/94
Surface	BH	7/13/94

RECEIVED AND/OR REVIEWED:

- Y Plat
- Y Bond: Federal[Y] State[] Fee[]
  (Number 1467810)
- N Potash (Y/N)
- N Oil shale (Y/N)
- Y Water permit
  (Number _____)
- N RDCC Review (Y/N)
  (Date: _____)

LOCATION AND SITING:

- ___ R649-2-3. Unit: _____
- ✓ R649-3-2. General.
- ___ R649-3-3. Exception.
- ___ Drilling Unit.
  Board Cause no: _____
  Date: _____

CONFIDENTIAL PERIOD EXPIRED ON 11-13-95 (Re-entry)

COMMENTS: 4. Culverts should be placed as necessary where the access road crosses the irrigation ditches.

STIPULATIONS:
1. The location should be bermed to prevent runoff to the surrounding farm land.
2. The reserve pit should be constructed on the south part of the location and lined with a synthetic liner of 14 mil minimum thickness.
3. The existing irrigation ditch should be routed around the location
4.

DRILLING LOCATION ASSESSMENT

State of Utah
Division of Oil, Gas and Mining

OPERATOR: PRESTON OIL COMPANY L.P.
WELL NAME: ANTELOPE HOLLOW UNIT #44-17
SECTION: 17 TWP: 3N RNG: 19E LOC: 625 FEL 804 FSL
QTR/QTR SE/SE COUNTY: DAGGETT FIELD: ANTELOPE HOLLOW UNIT
SURFACE OWNER: GEORGE OLSON
SPACING: 460 F SECTION LINE 460 F QTR/QTR LINE 920 F ANOTHER WELL
GEOLOGIST: BRAD HILL DATE AND TIME: 7/13/94 9:00

PARTICIPANTS: George Olson-Landowner, Scott Parrish-Drilling Contractor, Mark Dolar-Representing Preston

REGIONAL SETTING/TOPOGRAPHY: The proposed location is on the edge of a broad valley between low mountains. The location is on a hillside with a gentle slope to the northwest, approximately 4 miles from Manila, Utah.

LAND USE:

CURRENT SURFACE USE: The location is on the edge of an irrigated alfalfa field on a hillside which is not under cultivation. The proposed location is in the area which contains the irrigation ditches for this field. This is a reentry of an existing wellbore which had been plugged and has been reclaimed.

PROPOSED SURFACE DISTURBANCE: A rectangular pad will be constructed with dimensions of 250'X 230' with a, 100'X 100', reserve pit. A new access road, approximately 200 yards long, will be constructed to the pad.

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: Sage, Greasewood, scattered grasses, wildflowers, Prickly pear, Thistles, Alfalfa on NW edge of loc./Rabbits, Rodents, Birds, Insects

ENVIRONMENTAL PARAMETERS

SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: Silty-clay with abundant rock fragments.

SURFACE FORMATION & CHARACTERISTICS: Bridger Formation-interbedded shales and sandstones.

EROSION/SEDIMENTATION/STABILITY: No active erosion or sedimentation at present. Location should be stable.

PALEONTOLOGICAL POTENTIAL: None observed.

SUBSURFACE GEOLOGY

OBJECTIVES/DEPTHS: Wasatch-3050', Fort Union-6500'

ABNORMAL PRESSURES-HIGH AND LOW: None anticipated.

CULTURAL RESOURCES/ARCHAEOLOGY: Survey done for original wellsite but not required.

CONSTRUCTION MATERIALS: Onsite materials will be used for construction.

SITE RECLAMATION: 12 inches of topsoil will be removed and stockpiled for reclamation. Reclamation will be done according to landowner instructions.

RESERVE PIT

CHARACTERISTICS: The reserve pit will be rectangular in shape with dimensions of 100'X 100'X 8'. The reserve pit will be constructed on the south side of the location entirely in cut.

LINING: The pit should be lined with a synthetic liner of 14 mil minimum thickness.

MUD PROGRAM: See APD.

DRILLING WATER SUPPLY: Purchased from surface owner. Supposed to come out of Wyo. Check w/ Dolan on water!

OTHER OBSERVATIONS
Several surface seeps can be seen along the hillside near where the location will be built. The landowner stated that a water flow was encountered when the pit was built for the original well at this location. He said it was of sufficient volume to be used by the drilling rig for drilling fluid.

STIPULATIONS FOR APD APPROVAL
The location should be bermed to protect the irrigated farmland, surrounding the location, from spills on location.
The reserve pit should be lined with a synthetic liner.
Existing irrigation ditches should be routed around the location and culverts placed where they are crossed by the access road.

ATTACHMENTS
Photographs will be placed on file.

Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements

Site-Specific Factors	Ranking Score	Final Ranking Score
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	15-20 SEEPAGE
Distance to Surf. Water (feet)		ON SURFACE & IN PREVIOUS PIT
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	
Distance to Nearest Municipal Well (feet)		—
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	
Distance to Other Wells (feet)		—
>1320	0	
300 to 1320	10	
<300	20	
Native Soil Type		
Low permeability	0	7-10
Mod. permeability	10	
High permeability	20	
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud	15	—
Fluid containing significant levels of hazardous constituents	20	
Drill Cuttings		
Normal Rock	0	—
Salt or detrimental	10	—

Annual Precipitation (inches) <10 10 to 20 >20	 0 5 10	
Affected Populations <10 10 to 30 30 to 50 >50	 0 6 8 10	
Presence of Nearby Utility Conduits Not Present Unknown Present	 0 10 15	

Final Score	22 - 30

LINE PIT

7/13/94

STATE OF UTAH

Operator: PRESTON OIL COMPANY LP	Well Name: ANTELOPE HOLLOW 44-1
Project ID: 43-009-30064	Location: SEC. 17 - T03N - R19E

Design Parameters:

Mud weight (9.10 ppg)	: 0.473	psi/ft
Shut in surface pressure	: 3084	psi
Internal gradient (burst)	: 0.087	psi/ft
Annular gradient (burst)	: 0.000	psi/ft

Tensile load is determined using buoyed weight

Service rating is "Sweet"

Design Factors:

Collapse	: 1.125	
Burst	: 1.00	
8 Round	: 1.80	(J)
Buttress	: 1.60	(J)
Other	: 1.50	(J)
Body Yield	: 1.50	(B)

	Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	8,000	5.500	17.00	K-55	ST&C	8,000	4.767	

	Collapse Load (psi)	Collapse Strgth (psi)	Collapse S.F.	Burst Load (psi)	Min Int Yield Strgth (psi)	Burst S.F.	Tension Load (kips)	Tension Strgth (kips)	Tension S.F.
1	3782	4910	1.298	3782	5320	1.41	117.08	252	2.15 J

Prepared by : FRM, Salt Lake City, UT
Date : 07-19-1994
Remarks :

Minimum segment length for the 8,000 foot well is 1,000 feet.
SICP is based on the ideal gas law, a gas gravity of 0.78, and a mean gas temperature of 114°F (Surface 74°F , BHT 154°F & temp. gradient 1.000°/100 ft.)
The mud gradient and bottom hole pressures (for burst) are 0.473 psi/ft and 3,782 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.

Costs for this design are based on a 1987 pricing model. (Version 1.06)

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

July 19, 1994

Preston Oil Company, L.P.
P.O. Box 7520
The Woodlands, Texas 77387

Re: Antelope Hollow Unit #44-17 Well, 804' FSL, 625' FEL, SE SE, Sec. 17, T. 3 N., R. 19 E., Daggett County, Utah

Gentlemen:

Pursuant to Utah Admin. R. 649-3-2, Location and Siting of Wells and Utah Admin. R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to reenter and drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. The location should be bermed to prevent runoff to the surrounding farm land.

2. The reserve pit should be constructed on the south part of the location and lined with a synthetic liner of 14 mil minimum thickness.

3. The existing irrigation ditches should be routed around the location.

4. Culverts should be placed as necessary where the access road crosses the irrigation ditches.

5. Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules.

6. Notification to the Division within 24 hours after drilling operations commence.

7. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.

8. Submittal of the Report of Wired During Drilling, Form 7.

9. Prompt notification prior to operations, if necessary, to plug and abandon the well. Notify tthews, Petroleum Engineer, (Office) (801)538-5340, (Home 13, or K. Michael Hebertson, Reclamation Specialist, (Home 212.

10. Compliance with the requireme Admin. R. 649-3-20, Gas Flaring or Venting, if the well is compl duction.

This approval shall expire one year a issuance unless substantial and continuous operation is underway or a requ extension is made prior to the approval expiration date. The API number this well is 43-009-30064.

Sin

R.J.
Asso rector

ldc
Enclosures
cc: Daggett County Assessor
Bureau of Land Management, Vernal Di Office
WOI1

AFFIDAVIT OF
WATER USAGE TO DRILL WELL

STATE OF UTAH)
)SS
COUNTY OF SALT LAKE)

KNOWN ALL MEN BY THESE PRESENTS, this affidavit is signed by Mark S. Dolar, as Land Agent for Preston Oil Company, L.P., whose business address is Dolar Oil Properties, 9035 South 700 East, Sandy, Utah, 84070 and does hereby certify that on July 13, 1994 the following:

1) Preston Oil Company, L.P. plans to re-enter the Antelope Hollow #44-17 well, located in the SESE of Section 17, Township 3 North, Range 19 East, SLM, Daggett County, Utah.

2) Water is being acquired from Floyd Briggs from a pond located in Section 22, Township 12 North, Range 110 West, P.M., in Sweetwater County, Wyoming. The State of Wyoming does not require permits for use of private water from privately owned sources, therefore we are unable to provide the State Division of Oil and Gas with a water permit number.

3) Water will be hauled by Target Trucking of Vernal, Utah, and will provide permit number if necessary.

IT HAS BEEN AGREED TO AND UNDERSTOOD that sufficient consideration has been paid, and receipt has been acknowledged, for the use of water.

Signed this 13th day of July, 1994.

Preston Oil Company, L.P.

By _____
Mark S. Dolar, CPL
Land Agent

[redacted]

AFFIDAVIT OF
WATER USAGE TO DRILL WELL

STATE OF UTAH)
)SS
COUNTY OF SALT LAKE)

KNOWN ALL MEN BY THESE PRESENTS, this affidavit is signed by Mark S. Dolar, as Land Agent for Preston Oil Company, L.P., whose business address is Dolar Oil Properties, 9035 South 700 East, Sandy, Utah, 84070 and does hereby certify that on July 13, 1994 the following:

1) Preston Oil Company, L.P. plans to re-enter the Antelope Hollow #44-17 well, located in the SESE of Section 17, Township 3 North, Range 19 East, SLM, Daggett County, Utah.

2) Water is being acquired from Floyd Briggs from a pond located in Section 22, Township 12 North, Range 110 West, P.M., in Sweetwater County, Wyoming. The State of Wyoming does not require permits for use of private water from privately owned sources, therefore we are unable to provide the State Division of Oil and Gas with a water permit number.

3) Water will be hauled by Target Trucking of Vernal, Utah, and will provide permit number if necessary.

IT HAS BEEN AGREED TO AND UNDERSTOOD that sufficient consideration has been paid, and receipt has been acknowledged, for the use of water.

Signed this 13th day of July, 1994.

Preston Oil Company, L.P.

By_____
Mark S. Dolar, CPL
Land Agent

AFFIDAVIT OF
SURFACE DAMAGE AGREEMENT
RIGHT OF WAY PERMITS

STATE OF UTAH)
)SS
COUNTY OF SALT LAKE)

KNOWN ALL MEN BY THESE PRESENTS, this affidavit is signed by Mark S. Dolar, as Land Agent for Preston Oil Company, L.P., whose business address is Dolar Oil Properties, 9035 South 700 East, Sandy, Utah, 84070 and does hereby certify that on July 13, 1994 the following instruments were entered into:

1) Surface Use Agreement - By and between Circle Bar Ranch and Preston Oil Company, L.P. for Right-of-Way access across lands owned by Circle Bar Ranch; and to drill the #44-17 well in the SESE of Section 17, Township 3 North, Range 19 East, SLM.

2) Right-of-Way Agreement - By and between Stewart Land Company and Preston Oil Company, L.P. for Right-of-Way across lands owned by Stewart Land Company in Sections 16 and 17, Township 3 North, Range 19 East, SLM.

IT HAS BEEN AGREED TO AND UNDERSTOOD that sufficient consideration has been paid, and receipt has been acknowledged, for access roads and surface damages.

Signed this 13th day of July, 1994.

Preston Oil Company, L.P.

By _____
Mark S. Dolar, CPL
Land Agent

NOTARY ACKNOWLEDGEMENT

STATE OF UTAH)
) ss.
COUNTY OF SALT LAKE)

The foregoing instrument was acknowledged before me this 13th day of July, 1994 by Mark S. Dolar, as Land Agent for Preston Oil Company, L.P. to me personally known to be the identical persons who executed the within and foregoing instrument and acknowledged to me that (he/she/they) executed the same as (his/her/their) free and voluntary act and deed for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal the day and year last above written.

My commission expires:

10/5/96

Mary K. Hecker
Notary Public

NOTARY PUBLIC
STATE OF UTAH
My Commission Expires
October 5, 1996
MARY K. HECKER
1982 Viscounti Cove
Sandy, Utah 84093

C:\WP51\files\surface.agt

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: PRESTON OIL CO.

WELL NAME: ANTELOPE HOLLOW 44-17 RE-ENTRY

API NO. 43-009-30064

Section 17 Township 3N Range 19E County DAGGETT

Drilling Contractor EXETER

Rig # 8

SPUDDED: Date 8/6/94

Time 9:00 PM

How ROTARY

Drilling will commence

Reported by DLI-DOGM

Telephone #

Date 8/9/94 SIGNED JLT

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
DRILLING INSPECTION FORM

COMPANY: PRESTON OIL COMPANY COMPANY REP: JAMES LOVAN

WELL NAME: ANTELOPE HOLLOW UNIT #44-17 API NO: 43-009-30064

QTR/QTR: SE/SE SECTION: 17 TWP: 3N RANGE: 19E

CONTRACTOR: EXETER DRILLING COMPANY RIG NUMBER: #8

INSPECTOR: DENNIS INGRAM TIME: 2:00 P.M. AM DATE: 8/8/94

OPERATIONS: WASHING TO BOTTOM DEPTH: 4701

SPUD DATE: DRY: 8/6/94 ROTARY: YES PROJECTED T.D.: 8,000

==========

WELL SIGN: Y SANITATION: Y BOPE: Y BLOOIE LINE: Y

H2S POTENTIAL: N ENVIRONMENTAL: Y FLARE PIT: Y

RESERVE PIT: Y FENCED: Y LINED: Y PLASTIC: Y

RUBBER: _____ BENTONITE: _____ OTHER: _____ MUD WEIGHT 8.8 LBS/GAL

BOPE TEST RECORDED IN THE RIG DAILY TOUR BOOK: N

BOPE TRAINING RECORDED IN THE RIG DAILY TOUR BOOK: N

==========

LEGEND: (Y)=YES (U)=UNKNOWN (NA)=NOT APPLICABLE

==========

REMARKS:

HAVE JUST FINISHED WASHING DOWN TO PREVIOUS DEPTH OF 4700 -- WELL WAS A P & A HOLE. OPERATOR IS NOW MIXING MUD TO DRILL OUT INTO NEW HOLE. OPERATOR HAS TWIN RAM SHAFFER BOP WITH HYDRIL AND TWO CHOKES. KOOMEY IS PUMPED UP TO 3000 PSI WITH 1500 ON MANIFOLD (HUYDRALIC TRIPLEX & AIR PUMP). EXPECT TO FINISH BY AUGUST 13TH OR 14TH.

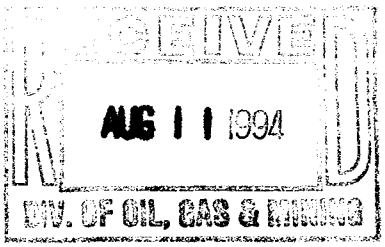
PRESTON OIL COMPANY, L.P.

1717 WOODSTEAD COURT • P.O. BOX 7520 • THE WOODLANDS, TEXAS 77387
TELEPHONE: 713-367-8697

August 10, 1994

Via Federal Express

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203



Attention: Mr. R. J. Firth
Associate Director

Re: Antelope Hollow #44-17 Well
SE/SE Sec. 17, T3N-R19E
Daggett County, Utah

Dear Mr. Firth:

Enclosed is The State Of Utah's Entity Action Form - Form 6 in reference to the Antelope Hollow #44-17 Well filed on behalf of Preston Oil Company, L.P.

If you require any additional information, please feel free to call me at the number listed above.

Very truly yours,

Dennis D. Ritter, Jr.
Land Manager and
Assistant General Counsel

bh

cc: J. E. Lovan
R. D. Sprague

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM - FORM 6

OPERATOR Preston Oil Company, L.P.

ADDRESS P.O. Box 7520
The Woodlands, TX 77387

OPERATOR ACCT. NO. N 5140

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	11654	43-009-30064	Preston Oil Co., L.P. Antelope Hollow #44-17	SE/SE	17	3N	19E	Daggett	8/6/94	

WELL 1 COMMENTS: Preston Oil Company, L.P. will re-enter Hallwood Petroleum Company, Antelope Hollow #44-17 (TD 4,701') and deepen to 8,000'±.

WELL 2 COMMENTS: Entity added 8-11-94. (Birch Spring Unit - eff. 7/20/94) Initial well. Lec

WELL 3 COMMENTS:

WELL 4 COMMENTS:

WELL 5 COMMENTS:

ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

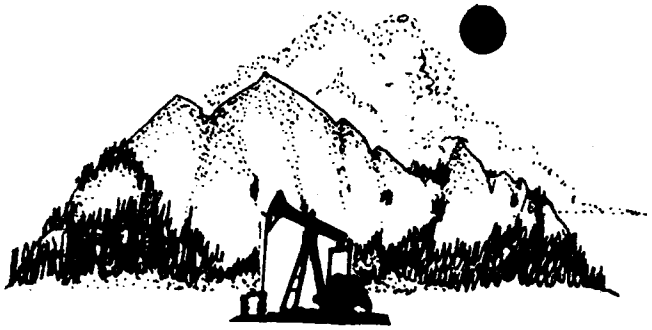
AUG 11

DIV. OF OIL, GAS & MINING

Signature

Manager of Land — 8/10/94
Title — Date

Phone No. (713) 367-8697



DOLAR OIL PROPERTIES

9035 South 700 East
Sandy, UT 84070-2418
(801) 561 - 3121

July 14, 1994

Mr. Frank Matthews
State of Utah
Dept. of Natural Resources
Div. of Oil, Gas & Mining
355 West North Temple
Salt Lake City, Utah

Re: Affidavit of Surface Damage Agreement &
Right of Way Permits
#44-17 Well
Daggett County, Utah

Dear Mr. Matthews:

Enclosed for your information and further handling please find original, signed Affidavit of Surface Damage Agreement and Right of Way Permits for the captioned property.

Please do not hesitate to call if there are any questions,.

Sincerely yours,

DOLAR OIL PROPERTIES

Mark S. Dolar, CPL

MSD:mkh

Encl.

Division of Oil, Gas and Mining

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

[ ] Well File Antelope Hollow 44-17
(Location) Sec 17 Twp 3N Rng 1E
(API No.) 43-009-30064

[ ] Suspense
(Return Date) _____
(To - Initials) _____

[✓] Other File

1. Date of Phone Call: 8/19/94 Time: 8:30AM

2. DOGM Employee (name) Frank Matthews (Initiated Call [ ])
Talked to:
Name Jim Loran (Initiated Call [✓]) - Phone No. ( )
of (Company/Organization) Hallwood Petroleum Inc.

3. Topic of Conversation: Plugging of well.

4. Highlights of Conversation: Gave plugging orders to Jim Loran by phone.
10 sx plug @ Surface
100' plug @ surface csg shoe
50' in + 50' out.
100' plug @ top of Wasatch
100' plug @ top of H. Union -
cut csg off below plow depth
+ weld on plate w/ well info

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
DRILLING INSPECTION FORM

COMPANY: PRESTON OIL COMPANY COMPANY REP: JAMES LOVAN

WELL NAME: ANTELOPE HOLLOW #44-17 API NO: 43-009-30064

QTR/QTR: SE/SE SECTION: 17 TWP: 3N RANGE: 19E

CONTRACTOR: EXETER DRILING COMPANY RIG NUMBER: #8

INSPECTOR: DENNIS INGRAM TIME: 8:15 AM DATE: 8/20/94

OPERATIONS: NIPPLE DOWN BOPE AND RIG DOWN DEPTH: 8000

SPUD DATE: DRY: 8/9 ROTARY: 8/9/94 PROJECTED T.D.: 8000

==========

WELL SIGN: Y SANITATION: Y BOPE: Y BLOOIE LINE: Y

H2S POTENTIAL: N ENVIRONMENTAL: Y FLARE PIT: Y

RESERVE PIT: Y FENCED: Y LINED: Y PLASTIC: Y

RUBBER: BENTONITE: OTHER: MUD WEIGHT 9.2 LBS/GAL

BOPE TEST RECORDED IN THE RIG DAILY TOUR BOOK: Y

BOPE TRAINING RECORDED IN THE RIG DAILY TOUR BOOK: N

==========

LEGEND: (Y)=YES (U)=UNKNOWN (NA)=NOT APPLICABLE

==========

REMARKS:

WELL WAS P&A'D ON 8/20/94 BY DOWELL. PLUGS WERE SET AND RECORDED ON RIG LOG AS FOLLOWS: FIRST PLUG @ 6915, LAY DOWN 110 JOINTS DRILL PIPE; SECOND PLUG @ 3480 TO 3380, LAY DOWN 95 JOINTS OF PIPE; THIRD PLUG @ 530 LAY DOWN 16 JOINTS PIPE; FOURTH PLUG @ SURFACE WITH ONE JOINT DRILL PIPE IN HOLE. RESERVE PIT MEASURED 57' BY 114' BY 3'= APPROX. 3400 BARRELS, NO OIL PRESENT. LOVAN WILL CUT OFF WELL HEAD AND ADD PLATE SOMETIME NEXT WEEK. RIG PUSHER: SCOTT PARISH.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

PHONE CONVERSATION DOCUMENTATION FORM

✔ This is the original form ☒ or a copy ☐

✔ Route this form to:

☑ **WELL FILE** Antelope Hallow 44-17 ☐ **SUSPENSE** ☐ **OTHER**

Return date _____

To: initials _____

Section 17 Township 3N Range 19E

API number 43-009-30064

Date of phone call: 11/22/94 Time: 10:00 Am

DOGM employee (name) Jim Thompson Initiated call? ☒

Spoke with:

Name Doug Sprague Initiated call? ☐

of (company/organization) Preston Oil Phone no. 1-713-367-8697

Topic of conversation: Well not properly sealed. Co. has not submitted Completion report.

Highlights of conversation: Operator will Contact duly Co and redo plate. and Contact inspector prior to work. Will submit Completion report.

(05/94)

HALLWOOD ENERGY COMPANY

ANTALOPE HOLLOW #44-17

SECTION 17, T3S, R19E

DAGGET COUNTY, UTAH

GEOLOGIC REPORT

BY

JIM DICKSON

ROCKY MOUNTAIN GEO-ENGINEERING COMPANY

TABLE OF CONTENTS

BIT RECORD

WELL NAME: ANTALOPE HOLLOW #44-17 ELEVATION: 6,948' GL 6,958' KB

CO. NAME: HALLWOOD ENERGY COMPANY SECTION: SEC 17 T3N R19E SESE

CONTRACTOR: CHANDLER RIG# 1 CO. & STATE: DAGGETT COUNTY, UTAH

SPUD DATE: JULY 30, 1991 T.D. DATE: AUGUST 10, 1991

BIT RECORD								FT PER/DAY			DEVIATION SURVEYS	
RUN	SIZE	MAKE	TYPE	IN OUT	FTG	HOURS	FT/HR	DATE	DEPTH	FT	DEPTH	DEV.
1	12 1/4	SEC	RETIP	283	233	12 1/2	18.6	8-2-91	476			
2	12 1/4	STC	RETIP	409	126	9 1/2	13.3	8-3-91	1257			
3	12 1/4	SEC	M44N	532	123	3	41	8-4-91	2000			
		8 5/8" CSNG @ 525'						8-5-91	2797			
4	7 7/8	HTC	ATJ-1	1,761	1,229	28 1/2	43.1	8-6-91	3500			
5	7 7/8	REED	HP53AJ	3,532	1,771	53	33.4	8-7-91	3833			
6	7 7/8	REED	HP53AJ	4,305	773	40	19.3	8-8-91	4229			
7	7 7/8	HTC	ATJ-33	4,701	396	29.5	13.6	8-9-91	4454			
								8-10-91	4701			

DEVIATION SURVEY

COMPANY NAME: HALLWOOD ENERGY COMPANIES COUNTY: DAGGETT

WELL NAME: ANTALOPE HOLLOW #44-17 STATE: UTAH

DEPTH	DEV.	DIR.	DEPTH	DEV.	DIR.	DEPTH	DEV.	DIR.
124	1/4							
248	1/2							
532	3/4							
1,020	3/4							
1,521	1 1/2							
1,761	1 3/4							
2,254	1/4							
2,787	3/4							
3,290	1/4							
3,502	1/2							
3,998	1/4							
4,305	1/4							

COMPANY NAME: HALLWOOD ENERGY COMPANIES MUD RECORD: 1 WELL NAME ANTALOPE HOLLOW #44-17

DATE	DEPTH	WEIGHT	MUD GRADIENT	FUNNEL VIS	PLASTIC VIS	YIELD POINT	GEL STRENGTH	PH	FILTRATE API	CAKE	ALKALINITY FILTRATE	CHLORIDE PPM	CALCIUM PPM	SAND % CONTENT	SOLIDS % CONTENT	OIL % CONTENT	WATER % CONTENT	% KCL	% CHROMATE PPM
7-30-91	104	8.9	.4628	36	7	6	3/9	10.0		2	1.2/3.0	500	420	1.5	4		96		
7-31-91	297	9.2	.4784	36	6	9	4/12	9.0	20	2	.2/.5	1000	200	.5	6		94		
8-01-91																			
8-02-91																			
8-03-91	1,156	8.4	.4368	27	FRESH	WATER		7.5			0/.3	500	60				100		
8-04-91	1,975	8.3	.4316	27	FRESH	WATER		7.0			0/.3	500	60				100		
8-05-91	2,742	8.4	.4368	27	FRESH	WATER		7.0			.1/.4	500	80				100		
8-06-91	3,473	9.0	.468	36	7	4	1/3	9.0	11.2	2	.1/.4	500	40	TR	5		95		
8-07-91	3,806	9.0	.468	34	7	3	1/2	9.0	9.8	2	.2/.4	500	40	TR	5		95		
8-08-91	4,194	9.1	.4732	37	8	8	1/5	10.0	10.0	2	.1/.5	500	60	TR	5.5		94.5		
8-09-91	4,454	9.2	.4784	40	12	9	2/6	9.0	8.2	2	.1/.3	500	60	TR	5.5		94.5		
8-10-91	4,701	9.2+	.4784	45	16	12	3/8	9.0	6.0	2	.1/.3	500	60	TR	6		94		

HALLWOOD ENERGY CO.
ANTALOPE HOLLOW #44-17
SECTION 17, T3N, R19E
DAGGETT COUNTY, UTAH

SAMPLE DESCRIPTION

540-570	100%	SS	clr, vf-fg, subang, m-wsrt, unconsol
570-600	50%	SS	clr, vf-fg, sbrnd-sbang, msrt, unconsol
	40%	LS	crm, crypxln, sft, yell flu, NS
	10%	SH	gyltgy, blky, frm-sft, sndy ip, slty, calc
600-630	80%	LS	bn, tan, crm, cryp-micxln, frm-sft, arg-non arg
	20%	SS	gyltgy, fg, ang, msrt, arg, slty, sl calc
630-670	40%	COAL	blk, brn, brit-dull, arg ip, vit ip, blky, brit-frm
	30%	LS	bn, tan, crm, cryp-mic xln, hrd-frm, arg ip
	30%	SS	gyltgy, gybn, vf-fg, sbrnd, msrt, frm-fri, sl calc
670-700	40%	SH	vdkbn, dkgy, gy, carb, slty, slky, frm-sft
	20%	COAL	AA
	20%	SS	AA
	20%	LS	AA
700-730	60%	SH	gy, bngy, ltgy, carb, slty, blky, frm
	20%	COAL	blk, dkbn, brit-dull, arg ip, blky, brit-frm
	10%	SS	gy, bn, fg, sbang, m sft, frm-fri, calc
	10%	LS	tan, ltbn, bn, mic-crypxln, hrd-frm, sl arg
730-760	50%	LS	crm, ltbn, tan, bn, mic-crxpxln, hrd-sft, arg ip
	40%	SH	gy, bngy, bn, slty, carb, sb fiss, frm, calc
	10%	COAL	blk, dkbn, brit-dul, arg ip, blky, brit-frm
760-790	60%	SS	gy, vfg, slty, sbang, msrt, frm-fri, sl calc
	40%	SH	bn, ltbn, carb, v calc grdng to LS, sltu ip, frm-hrd, fiss
790-820	50%	SH	bn, slty ip, calc to v calc, blky, frm
	50%	SS	gy, fg-slty, sbrnd, varg & slty, frm-fri, sl calc, mica
820-850	60%	SH	bn, gy, bngy, clac, slty sndy ip, blky, frm
	30%	SS	gy, fg-slty, m-psrt, sbrnd, frm-fri, calc
	10%	LS	bn, ltbn, cryptxln, hrd, sl arg
	Tr	CHT	wht, brnsl, op, frnc, v hrd
850-880	80%	SH	bngy, crb, slty, mica, frm, calc, sbblky
	20%	SS	gy, vf-fg, slty & arg, m-psrt, sbang, frm-fri, sl calc
	Tr	LS	AA

HALLWOOD ENERGY CO.
ANTALOPE HOLLOW #44-17

880-910	70%	SH	slt-gnbngy, sl slty, frm, sbblky, calc
	30%	SS	ltgy, ltbn, gy, vf-fg, occ m-crsg, msrt, sbang-rnd tr ool, hvy mtrx, v calc, frm-fri
	Tr	Calcite	
910-940	100%	SH	bngy, gy, gnbrn, slty, sbblky, frm-sft, calc
	Tr	SS	AA
940-970	90%	SH	AA, bcmg v slty ip
	10%	SS	bn, gy, vf-fg, sbrnd-ang, m-mpsrt, frm-hrd, calc
970-1000	80%	SH	gy, bn, gngybn, slty ip, blky, frm-calc
	20%	SS	AA
1000-1030	90%	SH	gybn, sl slty, sbfiss, frm, sl carb, calc
	10%	COAL	blk, shny, brit, bit, chenc frac
1030-1060	70%	SH	gy, bn, tan, bngy, dkbn, carb ip, clac, sbblky, frm
	20%	LS	buff, bn, tan, cryptxln, hrd-frm, non-sl arg
	10%	COAL	blk-dkbn, shny ip, bit-dull, brit-frm, tr chonc frac
1060-1090	70%	SH	AA
	30%	SS	clr, fg, rnd, unconsol
	Tr	LS	AA
1090-1120	80%	SH	gy, gybn, bn, slty, carb, calc, sbfiss, frm
	10%	SS	AA
	10%	COAL	blk, vdkbn, bit-dul, brit-frm, blky
1120-1150	40%	SS	clr, fg, rnd, unconsol
	30%	SH	AA
	20%	LS	wht, ltgy, crm, mic-cryptxln, sft-frm
	10%	COAL	AA
1150-1180	40%	SH	ltgy, gy bngy, slty, carb ip, calc-v calc, frm-slty blky
	30%	LS	crm, ltgy, bn, ltbn, mic-cryptxln, blky, frm-hrd, sl-m arg
	20%	SS	ltgy, offwht, gy, vf-fg, sbrnd-sbang, msrt, calc-v calc, frm-sft
	10%	COAL	blk, vdkbn, shny-occ dull, brit-frm, chonc frac ip
	Tr	CHT	bn, trnsl, chonc frac, hrd-brit
1180-1210	40%	SH	dkgybn, dkgy-ltgy, bn, slty ip, calc-v calc, frm-hrd, blky
	30%	SS	clr, wht, ltgy, vf-fg, m-psrt, sbrnd-rnd, calc, fri-unconsol
	30%	LS	gy, ltgy, off wht, bn, mic-cryptxln hrd-sft, sl arg, blky
	Tr		Coal

HALLWOOD ENERGY CO.
ANTALOPE HOLLOW #44-17

1210-1240	70%	SH	ltgybrn-dkgybrn, gy, ltgy, sl-mslty, calc, blky, frm
	20%	SS	clr, wht, ltgy, vf-occmg, m-psrt, subrnd-sbang frm-unconsol, calc
	10%	LS	brn, ltbrn, buff, micxln, frm-hrd, sl arg
	Tr	CHT	gyp, calcite, coal
1240-1270	50%	SH	dkbrngy-ltbrngy, gy-ltgy, blky, frm, v slty ip, occ sndy
	30%	SS	gy, ltgy, vf-fg, rnd, msrt, arg, slty ip, frm-fri, calc
	20%	LS	bn, buff, ltorgbrn, cryptxln, mic, blky, hrd-sft, sl arg
	Tr	CHT	coal
1270-1300	60%	SS	clr, ltgy, gy, offwht, vf-mg, and, m-psrt, fri-unconsol, calc ip
	40%	SH	AA
1300-1330	50%	SH	brn, brngy, gy, blky, sl carb, sft, m-n calc
	30%	LS	offwht, crm, ltgy-gy, mic, blky, sft
	20%	SS	clr, wht, ltg, vf-mg, sbrnd- rnd, m-mpsrt, fri-unconsol calc
	Tr		gyp
1330-1360	70%	SH	gy, ltgy, bn-vdkbrn, occ blk, v carb ip, blky, frm-sft, calc ip
	20%	SS	ltgy, gy, vf-fg, sbrnd-sbang, msrt, slty ip, arg, calc, frm-fri
	10%	LS	AA
1360-1390	80%	SH	AA
	10%	SS	AA occ mg unconsol
	10%	LS	AA
	Tr	CHT	
1390-1420	50%	SH	dkgy, gy, dkbrngy, carb ip, slty, sbblky, frm-sft, calc
	40%	SS	gy, occ dkbrngy, ltgy, wht, vf-fg, sbrnd, msrt, frm-fri, calc
	10%	LS	gy, ltgy, mic, sbblky, sft-occfrm, sl arg
	Tr	CHT	pyr
1420-1450	50%	SH	AA
	30%	LS	AA
	20%	SS	AA
	Tr	CHT	
1450-1480	80%	LS	ltgy, gy, gngy, off wht, mic, sft, sl-narg, blky
	10%	SH	dkbrn, dkbrngy, sl carb, calc, sbblky, frm-sft
	10%	SS	ltgy-gy, gngy, vf-fg, sbrnd-sbang, msrt, frm-fri calc

HALLWOOD ENERGY CO.
ANTALOPE HOLLOW #44-17

1480-1510	50%	LS	AA
	40%	SH	brn, ltbrn, brngy, sl slty-v slty, frm-sft, sbblky-blky, calc, carb
	10%	SS	AA
1510-1540	50%	LS	offwht, ltgy, gy, gngy, mic, blky, sft, sl arg
	30%	SS	off wht, ltgy, gy, gngy vf-fg, sbrnd-ang, msrt, frm-fri calc
	20%	SH	AA
	Tr	COAL	
1540-1570	50%	SH	ltgngy, gngy, gy, ltgy, sl-v calc, sft-frm, sl slty ip
	40%	LS	AA, brn, brngy
	10%	SS	AA
1570-1600	50%	SH	AA intrbd & grdng between SH & LS
	50%	LS	AA
	Tr	SS	AA
1600-1630	50%	LS	ltgy, gngy, gy, brngy, sl-m arg, sft-occ frm, mic
	40%	SH	ltgy, gngy, gy, brngy, occ slty, calc, sft-occ frm
	10%	SS	ltgy, gy, vfg, sbang, m-wsrt, sl arg, pyr, hrd
1630-1660	50%	SH	AA, sft-vsft, occ fltng SS gs
	50%	LS	AA, sft-vsft
1660-1690	50%	LS	ltgy, gn, gy, brn, sl-varg, mic, sft-vsft
	40%	SH	ltgy, gn, gngy, bngy, calc, sft-vsft, sbblky
	10%	SS	crm, ltgy, vfg, sbrnd, m-wsrt, fri, calc
1690-1720	50%	SH	AA
	50%	LS	AA
	Tr	CHT	pyr
1720-1750	50%	SH	gy, brn, ltgy, gngy, sl-non calc, sft, blky, tr fltng SS gs
	20%	SS	ltgy, gy, vf-fg, sbrnd, m-wsrt, fri, calc, pyr ip, sl-m arg
	20%	LS	brn, gy, ltgy, mica, sft, sl-v arg
	10%	COAL	blk, v dkbrn, brit-frm, bit-dull
1750-1780	40%	SH	gn, bngy, ltgy, gy, org, slty ip, fltng SS gs, sft-occ frm, calc-non calc
	40%	LS	gn, gy, ltgy, brn, arg, mic, m-v arg, sft-frm
	20%	SS	clr, frst, f-vfg, occ mg, rnd, msrt
1780-1810	50%	SH	AA
	40%	LS	AA
	10%	SS	AA

HALLWOOD ENERGY CO.
ANTALOPE HOLLOW #44-17

1810-1840	50%	SH	ltgy, gy, gn, org, slty ip, sft, calc-non calc, fltng SS gs
	40%	LS	ltgy, gy, gn, arg, slty ip, m-v arg, mic, fltng SS gs
	10%	SS	clr, frst, vf-m g, msrt, rnd
1840-1870	80%	LS	ltgy, gy, ltbrn, brn, gn, org, micxln, m-varg, sndy, sft occ xln
	20%	SH	AA
	Tr	Calcite	
1870-1900	80%	LS	AA, vsndy ip, slty ip
	20%	SH	gy, ltgy, bngy, slty, vsndy ip, sl-v calc, sft, sbblky
1900-1930	50%	SH	AA
	40%	LS	ltgy, gy, org, brngy, gngy, mic, slty & sndy, sft
	10%	SS	clr, frst, f-mg, m wrst, rnd, unconsol fr
	Tr	Calcite	
1930-1960	40%	SH	ltgy, gy, org, fltng SS gs, slty ip, sft, blky, non-v calc
	40%	LS	AA
	20%	SS	ltgy, ltgn, sf-fg, sbang, msrt, v hvy mtrx, fri calc
	Tr	COAL	
1960-1990	50%	LS	ltgy, gy, brngy, mic-cryptxln, sft-hrd, blky, arg, slty, sndy
	20%	SH	AA
	20%	SS	AA
	10%	COAL	blk, v dkbrn, bit, brit, tr arg, blky
1990-2020	50%	LS	AA
	30%	SH	ltgn, ltgy, org, slty & sndy ip, blky, sft-occ frm, non-v calc
	20%	SS	ltgy, ltgy, gy, vf-fg, sbang-ang, msrt, non-vhvy mtrx, calc, fri
	Tr	Calcite	
	Tr	COAL	
2020-2050	70%	LS	AA
	30%	SH	AA
	Tr	Calcite	
	Tr	SS	
	Tr	COAL	
2050-2080	50%	SH	ltgn, ltgy, gy, brn, org, slty, sndy, occ fltng SS gs, calc-non sft-occ frm, blky
	50%	LS	ltgy, crm, ltbrn, brn, ltgn, org, slty, sndy, arg, blky, sft-frm
	Tr	COAL	
	Tr	SS	

HALLWOOD ENERGY CO.
ANTALOPE HOLLOW #44-17

2080-2110	60%	SH	AA
	40%	LS	AA
	Tr	Calcite	
2110-2140	60%	LS	ltgy, gy, brn, ltbrn, ltgn, org, mic, arg, slty, sndy, blky sft-occ frm
	30%	SH	AA
	10%	SS	ltgy, gy, gybrn, ltgn, vf-fg sbang-ang, msrt, arg, calc, fri
2140-2170	60%	LS	AA
	30%	SH	AA
	10%	SS	AA
	Tr	Calcite	
2170-2200	60%	LS	AA
	30%	SH	AA
	10%	SS	AA
	Tr	Calcite	
2200-2230	70%	SH	ltgn, ltgy, gy, brn, brngy, org, sbfiss, sft-occ frm, non-calc, slty ip fltng SS gs
	30%	LS	crm, ltgy, gy, brn, ltbrn, org, mic-crptxln, sft-hrd, sl-m arg slty ip, blky
	Tr	CHT	
	Tr	COAL	Tr Calcite
2230-2260	70%	SH	AA
	30%	LS	AA
	Tr	CHT	
	Tr	SS	clr, rnd, f-mg
2260-2290	70%	SH	ltgy, ltgn, gy, brngy, org, sbfiss, sft-frm, slty, fltng SS gs
	20%	LS	AA
	10%	SS	clr, m-vcrs g unconsol
2290-2320	70%	SH	AA
	20%	LS	AA
	10%	SS	clr, frt, vf-crs g, rnd ang
2320-2350	90%	SS	vf-crs g, clr, frd, rnd-sbrnd
	10%	SH	AA
2350-2380	90%	SS	clr, rnd, frgt, f-mg, occ crs, occ CHT, unconsol
	10%	SH	ltgy, gn, gy, brngy, org, sbfiss, sft-occfrm, slty, calc-non
	10%	LS	gy, ltgy, gngy, arg, brn, mic-occ cryptxln, sft-frm, arg, slty

HALLWOOD ENERGY CO.
ANTALOPE HOLLOW #44-17

2380-2410	60%	SH	AA
	20%	SS	AA
	20%	LS	AA
2410-2440	50%	SH	ltgn, org, lgy, yel, gy, sbblky, fltng SS gs, sft-frm
	30%	LS	crm, ltgy, ltgn, gy, org, mic-cryptxln, sft-frm, fltng SS gs
	20%	SS	clr, frst, vf-fg, occ mg, rnd, tr CHT
2440-2470	80%	LS	AA
	20%	SH	AA
2470-2500	50%	LS	crm, off wht, ltgy, gy gn, gngy, org, mic-cryptxln, sft-hrd
	30%	SH	ltgngy, brn, org, gy, ltgn, sbblky, frm-sft
	20%	SS	clr, frst ip, rnd, vf-fg, unconsol, occ crs CHT
2500-2530	50%	SH	ltgn, ltgy, gy, org, slty ip, non-clac,occ fltng SS, sft-frm, blky
	50%	LS	ltgn, crm, ltbrn, ltgy, org, slty, arg, sft-frm, blky, micxln
	Tr	SS	CHT
2530-2560	60%	LS	AA, mic-cryptxln
	40%	SH	AA
	Tr	SS	CHT
2560-2590	60%	SH	ltgn, gy, ltgy, org, slty, sndy ip, non-calc, sft-frm, sbblky-blky
	30%	LS	crm, brn, ltbrn, ltgy, ltgn, arg, mic-occ crptxln, blky, slty, sft frm
	10%	SS	clr, wht, ltgy, vf-mg, msrt, rnd-ang, fri-unconsol
	Tr	Calcite	(frac fill)
	Tr	CHT	
2590-2620	70%	SH	AA
	30%	LS	AA
2620-2650	80%	SH	ltgngy, ltgy, crg, slty ip, fltng SS gs, sft-frm, sbblky
	20%	LS	AA
	Tr	PYR	
	Tr	SS	
	Tr	CHT	
2650-2680	70%	SH	AA
	30%	LS	crm, buff, ltbrn, ltgy, gy, brn, org, ltgn, slty, arg, blky, sft-frm
	Tr	SS	
	Tr	CHT	

HALLWOOD ENERGY CO.
ANTALOPE HOLLOW #44-17

2680-2710	70%	SH	AA
	30%	LS	AA
	Tr	SS	
	Tr	CHT	
2710-2740	70%	SH	AA
	30%	LS	AA
	Tr	SS	
	Tr	CHT	
2740-2770	70%	SH	varicolored, sl slty ip, non-calc, arg SS gs, sbblky, frm-sft
	30%	Ls	varicolored, mic-cryptxln, slty-arg, frm-occ hrd, blky
	Tr	SS	
	Tr	CHT	
2770-2800	70%	SH	AA, tr carb
	30%	LS	AA
	Tr	SS	
	Tr	COAL	
2800-2830	70%	SH	AA var
	30%	LS	AA var
	Tr	SS	
	Tr	CHT	
2830-2860	60%	SH	AA
	30%	LS	AA
	10%	SS	clr vf-mg, sbrnd, msrt, fri-unconsol calc
	Tr	CHT	
2860-2890	50%	SH	var, sbfiss, frm-sft, non-calc, slty ip, sndy & fltng SS gs ip
	30%	LS	var, crm, offwht, mic-occ cryptxln, sft-frm, occ slty, sbblky
	20%	SS	AA
2890-2920	70%	SS	clr, ltgy, offwht, vf-fg, sbang, m-wsrt, fri, calc
	20%	SH	AA
	10%	LS	AA
2920-2940	70%	SS	AA
	20%	SH	AA
	10%	SL	AA
	Tr	CHT	
2940-2960	No Sample		

HALLWOOD ENERGY CO.
ANTALOPE HOLLOW #44-17

2960-2980	50%	SH	var, sbblky, slty ip sndy & fltng SS gs ip, sft-frm, calc-non
	30%	SS	clr, vfg, rnd, m-wsrt fri calc
	20%	LS	var, crm, ltbrn, ltgy, brn, mic-cryptxln, sbblky, sft-frm
2980-2990	60%	SH	var, slty, sndy-fltng-SS gs, sbblky, sft-frm, non-calc
	20%	SS	clr, offwht, ltgy, vf-fg, sbang, msrt, calc, frm-fri
	20%	LS	AA
2990-3000	70%	SH	AA
	20%	LS	AA
	10%	SS	AA, rnd, wsrt
3000-3020	40%	SH	var, sbblky, slty, sndy, fltng, SS grs, sft-frm, calc-non calc
	30%	LS	AA
	30%	SS	AA
3020-3040	70%	SH	AA
	20%	LS	AA
	10%	SS	AA
3040-3055	70%	SH	AA
	20%	LS	AA
	10%	SS	AA
3055-3100	100%	SS	clr, vf-fg occ mg, sbrnd, unconsol
3100-3125	60%	SH	var, slty, sndy ip, fltng SS gs, sft-frm, sbblky
	40%	LS	var, slty, arg, sft-frm, sbblky, mic
3125-3145	60%	SH	AA
	40%	LS	AA
3145-3165	60%	SH	AA
	40%	LS	AA, occ cryptxln
	Tr	SS	
3165-3175	40%	SH	dkgy, dkbng, slty, carb, calc, frm-hrd, blky, pyr
	40%	SLTST	dkgy, dkbngy, arg, carb, caLc, frm-hrd, blky, pyr
	20%	LS	crm, ltbrngy, dkbrngy, sl-m arg, slty, sft-frm, mic
3175-3205	70%	SS	offwht, ltbrn, ltgy, vf-fg, sbrnd-rnd, m-wsrt, frm-hrd, pyr ip
	20%	SH	gydkgy, brngy, slty, frm hrd, blky, calc, carb
	10%	LS	ltgy, ltbrn, crm, brn, org, slty, arg, blky, sft-hrd, mic-cryptxln

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3205-3210	50%	SS	AA
	30%	LS	AA brn, gy, cryptxln, hrd, arg
	20%	SH	AA
3210-3220	60%	LS	gybrn, org, ltbrn, brn, mic-cryptxln, sft-hrd v arg & slty ip
	30%	SH	ltgybrn, gy, brn, slty, blky, calc, frm-hrd, fltng SS gs
	10%	SS	AA
3220-3225	60%	LS	AA
	30%	SH	AA
	10%	AA	
3225-3230	80%	LS	var, slty, arg, sndy, frm-hrd, blky, mic-occ cryptxln
	20%	SH	var, slty, fltng SS gs, frm-hrd, calc, blky
3230-3240	80%	LS	var, slty, arg, sndy & fltng SS gs, frm-hrd
	20%	SH	var, slty, blky, frm-hrd
3240-3245	80%	LS	AA
	20%	SH	AA
3245-3250	80%	LS	AA
	20%	SH	AA
3250-3260	60%	LS	crm, ltbrn, ltgy, brn, slty & arg ip, blky, mic-occ cryptxln, frm, hrd
	20%	SS	offwht, crm ltgy, ltbrn, vf-fg, sbrnd, m-wsrt, ang ip, pyr, calc, frm-hrd
	20%	SH	AA
3260-3265	50%	LS	AA
	30%	SS	AA
	20%	SH	AA
3265-3280	60%	LS	AA
	30%	SH	AA
	10%	SS	AA
3280-3300	50%	LS	AA, abant wht
	30%	SH	var, slty, sndy & fltng SS gs ip, frm-sft, non calc
	20%	SS	AA
3300-3310	60%	SS	wht, ltgy, offwht, vf-fg, sbrnd, m-wsrt, frm-fri, hvy calc mtrx ip
	30%	LS	AA
	10%	SH	AA

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3310-3315	80%	SS	AA
	10%	SH	AA
	10%	LS	AA, sndy ip
3315-3335	70%	SS	AA, hvy mtrx, calc
	20%	LS	AA
	10%	SH	AA
3335-3345	70%	SS	AA
	20%	LS	AA
	10%	SH	AA
3345-3350	70%	SS	AA
	20%	LS	AA
	10%	SH	AA
3350-3360	80%	SS	bcmg fg & slty ip
	10%	SH	AA
	10%	LS	AA
3360-3375	90%	SS	wht, offwht, crm, vf-fg, sbrnd, m-wsrt, frm-fri, calc
	10%	LS	crm, ltgy, gy, sndy ip, sbblky, frm
3375-3385	50%	SS	AA, occ hvy mtrx
	30%	LS	AA
	20%	SH	AA
3385-3395	40%	LS	AA
	30%	SH	var, brn, gy, ltbrngy, slty, non-calc, sft-frm
	30%	SS	AA
3395-3410	50%	LS	AA
	30%	SH	AA
	20%	SS	wht, vfg, sbrnd, m-wsrt, frm-fri, calc
3410-3415	50%	SH	AA
	30%	LS	var, brn, ltbrn, mic-cryptxln, sft-hrd, arg, slty, sndy
	20%	SS	AA
3415-3425	50%	SH	AA
	30%	LS	AA
	20%	SS	AA
3425-3430	60%	SH	AA
	40%	LS	AA
	Tr	SS	
3430-3440	40%	SS	offwht, crm, ltgy, vf-fg, sbrnd-sbang, msrt, occ hvy mtrx, calc, frm-fri
	30%	SH	AA
	30%	LS	AA

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3440-3460	60%	SH	var, slty, sndy, fltng SS gs, slt-frm
	30%	LS	AA
	10%	SS	clr, vfg, rnd, wsrt, frm-fri
3460-3465	70%	SH	AA
	20%	LS	AA
	10%	SS	AA
3465-3480	80%	SH	var, blky, slty ip, sft-frm, non-calc
	20%	LS	AA
	Tr	SS	
3480-3490	60%	SH	AA
	30%	SS	clr, wht, ltbrn, ltgy, vf-fg, rnd, m wrst, frm-fri, calc
	10%	LS	crm, ltbrn-brn, gybrn, sft-hrd, mic-cryptxln, arg
3490-3495	40%	SH	var, gy, brn, brngy, slty ip, calc-non, blky, frm-sft
	40%	LS	var, slty, sndy, blky, mic, sft-occ frm
	20%	SS	AA
3495-3510	60%	SH	AA
	40%	LS	AA
3510-3520	50%	LS	AA
	30%	SH	AA
	20%	SS	ltpvc, offwht, cln vf-mg, psrt, rnd, calc
3520-3535	No Sample		
3535-3540	90%	SH	var, sbfiss, sft-hrd pred frm, slty, sndy
	10%	LS	gy, ltbrn, cryptxln, hrd, arg
3540-3550	40%	SH	AA
	30%	SS	AA
	30%	LS	AA, w/ fltng SS gs
3550-3555	50%	SH	AA
	50%	LS	AA
3555-3575	70%	SH	var, blky, slty, sndy, sft-frm
	20%	LS	gy, brn, slty, blky, frm, arg, mrcxln
	10%	SS	AA
	Tr	PYR	
3575-3585	70%	SH	AA
	20%	LS	AA
	10%	SS	AA

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3585-3590	60%	SH	var, slty, sndy, blky, frm slt
	30%	SS	ltgy, offwht, lt pk, vt-occ mg, psmt, fri-frm, calc
	10%	LS	AA
3590-3600	60%	SH	AA abndt fltng SS gs
	20%	SS	AA
	20%	LS	crm, ltbrn, tan, gy, cryptxln, frm-hrd
3600-3610	40%	SH	AA
	30%	SS	AA
	30%	LS	AA
3610-3625	40%	SH	AA
	30%	SS	AA
	30%	LS	AA
3625-3635	70%	SH	var, sbblky, frm-sft, fltng SS gs, slty
	20%	LS	var, brn, gy, sbblky, frm-sft, slty, arg
	10%	SS	offwht, crm, vt-fg, md, m-psrt, calc, frm
3635-3645	60%	SH	AA
	20%	SS	AA m-crs gs
	20%	LS	AA
3645-3660	70%	SH	AA
	20%	LS	AA
	10%	SS	AA
3660-3665	50%	SH	AA
	40%	SS	offwht, ltgy, vf-occmg, sbang, m-psrt, calc, frm-fri
	10%	LS	AA
3665-3675	90%	SH	var, pred nd, slty, sbfiss, frm-sft
	10%	LS	AA
3675-3680	90%	SH	AA
	10%	LS	AA
3680-3695	70%	SH	AA
	20%	SS	offwht, ltgy, vf-fg,rnd, m-mprst, fri-frm, calc
	10%	LS	var, gy, brn, ltbrn, sbblky, arg, slty, sndy ip, sft-frm
3695-3705	80%	SH	AA
	10%	SS	AA
	10%	LS	AA
3705-3715	80%	SH	AA
	10%	SS	AA, occ m-crs gs
	10%	LS	AA

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3715-3725	80%	SH	var, sbfiss, slty, sndy ip, frm-sft, non-calc
	10%	SS	AA
	10%	LS	AA
3725-3735	80%	SH	AA
	10%	SS	wht, clr, vf-crs, msrt, rnd sbang, frm-unconsol, calc
	10%	LS	var, arg, slty, frm-sft, mic, sbfiss
3735-3740	90%	SH	AA
	10%	LS	AA
3740-3745	90%	SH	AA
	10%	LS	AA
3745-3765	50%	SH	AA
	40%	SS	clr, wht, vf-crsg, psrt, sbrnd-ang, frm-unconsol, calc
	10%	LS	AA
3765-3775	80%	SH	AA
	10%	SS	AA
	10%	LS	AA
3775-3785	80%	SH	AA
	10%	SS	AA
	10%	LS	AA
3785-3800	80%	SH	var, sbfiss, frm, slty ip
	10%	SS	wht, clr, vf-fg, rnd-sbrnd, m-wsrt, frm-fri, calc
	10%	LS	crm, ltbrngy, mic, arg, sbblky, frm
3800-3810	90%	SH	var, blky, frm, slty ip, abdnt fltng SS gs
	10%	LS	AA
	Tr	SS	
3810-3820	90%	SH	AA
	10%	LS	AA
	Tr	SS	
3820-3825	80%	SH	AA
	10%	SS	ltgy, offwht, pk, vf-mg, rnd, psrt, cacl, frm
	10%	LS	AA
3825-3840	90%	SH	AA
	10%	LS	AA
	Tr	SS	
3840-3845	80%	SH	AA
	10%	SS	wht, ltgy, crm, vf-fg, rnd, msrt, calc, frm-fri
	10%	LS	gy, brngy, org, sft-frm, blky, arg, slty

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3845-3850	80%	SH	AA
	10%	SS	AA
	10%	LS	AA
3850-3870	80%	SH	var, pred rd, slty, blky, frm-sft
	10%	SS	AA
	10%	LS	AA
3870-3875	No Sample		
3875-3885	90%	SH	AA
	10%	LS	AA
3885-3895	90%	SH	var, pred rd-org, slty, frm-hrd
	10%	LS	brn, brngy, mic, blky, frm-hrd, arg
3895-3900	90%	SH	AA
	10%	LS	AA
3900-3915	90%	SH	AA
	10%	LS	AA
	Tr	SS	
3915-3930	90%	SH	AA
	10%	LS	AA
	Tr	SS	
3930-3935	100%	SH	var, blky, frm, slty, noncalc-calc
3935-3950	90%	SH	AA
	10%	LS	gy, ltgy, ltbrn, brn, mic, sft-frm, blky, arg
3950-3960	80%	SS	wht, vf-fg, ang, msrt, frm-fri, v hvy cly mtrx, calc
			SS-clr, vf-crs g, rnd, psrt, unconsol
	20%	SH	AA
3960-3965	80%	SS	AA, wht, ltgy, gy
	20%	SH	AA
3965-3970	70%	SS	AA
	20%	SH	var, sbfiss, slty ip, frm-sft, sndy ip
	10%	LS	gy, tan, ltbrn, mic, sbfiss-blky, frm-sft, ang
3970-3990	90%	SH	AA
	10%	SS	AA
3990-4000	40%	SS	clr, vf-fg, rnd, m-wsrt, inconsol
	30%	SH	AA
	30%	LS	AA

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4000-4010	40%	LS	AA
	30%	SH	AA
	30%	SS	AA
4010-4020	40%	SH	AA
	40%	LS	AA
	20%	SS	AA
4020-4030	No Sample		
4030-4040	70%	SH	var, pred rd, blky, slty sndy, sft-frm, non-calc
	20%	LS	gy, brngy, brn, blky, frm-hrd, slty, arg, mic-cryptxln
	10%	SS	wht, ltgy, pk, vf-fg, sbrnd-arg, msrt, frm-unconsol, calc
4040-4050	70%	SH	AA
	20%	SS	AA
	10%	LS	AA
4050-4060	80%	SH	AA
	10%	SS	AA
	10%	LS	AA
4060-4070	80%	SH	var, slty, sndy, blky, frm, non-calc
	10%	SS	offwht, fg, sbrnd, m-wsrt, frm-fri, v hvy wht fri, calc
	10%	LS	gy, brn, blky, frm-hrd, arg, mic-cryptxln
4070-4080	90%	SH	AA
	10%	LS	AA
4080-4085	90%	SH	AA
	10%	LS	AA
	Tr	SS	
4085-4100	80%	SH	AA
	10%	SS	AA
	10%	LS	AA
4100-4110	70%	SH	AA
	20%	SS	AA
	10%	LS	AA
4110-4120	80%	SH	var, sbblky, slty, fltng SS gs, frm, calc-non calc
	10%	SS	AA
	10%	LS	brn, cryptxln, hrd, arg
4120-4125	90%	SH	AA
	10%	LS	AA
4125-4130	90%	SH	AA
	10%	LS	AA

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4130-4150			Abndt wht cly
	90%	SH	AA
	10%	LS	AA
4150-4155	70%	SH	var, pred rd, slt & sndy ip, blky, frm
	20%	SS	wht, ltgy, crm, fg, sbrnd, m-wsrt, frm-fri, calc, hvy mtrx ip
	10%	LS	brn, gy, clr, crm, mic-cryptxln, frm-hrd, arg
4155-4170			Abndt wht cly
	80%	SH	AA
	10%	SS	AA
	10%	LS	AA
4170-4180			Abndt wht cly
	60%	SH	AA
	30%	SS	AA
	10%	LS	AA
4180-4190	60%	SH	AA
	30%	SS	AA
	10%	LS	AA
4190-4195	70%	SH	AA
	20%	SS	AA
	10%	LS	AA
4195-4200			Abnd wht cly
	60%	SH	var, slty, sndy ip, frm, blky
	30%	SS	offwht, crm, pk, f-crsg, sbrnd, psrt, calc, frm-fri, hvy mtrx
	10%	LS	clr, wht, ltgy, brn, mrcxln, hrd, non-arg, blky
4200-4220			Abndt wht cly
	60%	SH	AA
	30%	SS	AA
	10%	LS	AA
4220-4230	80%	SH	AA
	10%	SS	AA
	10%	LS	AA
4230-4235	90%	SH	AA
	10%	LS	AA
	Tr	SS	AA
4235-4240	90%	SH	AA
	10%	LS	AA

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4240-4260	80%	SH	var, blky, slty, sndy ip, wxy fcx ip, frm
	10%	SS	wht, vf-fg, rnd
	10%	LS	ltbrn, tan, crm, mrc-cryptxln, frm-hrd, arg
4260-4270	100%	SH	AA
	Tr	LS&SS	
4270-4280	100%	SH	AA
	Tr	LS&SS	
4280-4290	100%	SH	var, pred rd, blky, slty & sndy ip, frm, non-calc
	Tr	LS	
	Tr	SS	
4290-4300	80%	SH	AA bcmng grn
	10%	SS	crs, clr, arg
	10%	LS	crm, ltgy, ltbrn, mic, blky sft-frm
4300-4310	70%	SH	AA
	20%	LS	AA
	10%	SS	AA
4310-4320	40%	SS	clr, frst, vf-fg, occ mg, sbrnd-rnd, m-wsrt, unconsol
	40%	SH	AA
	20%	LS	AA
4320-4330	50%	SH	var, sbblky, frm, non-calc
	30%	SS	AA, crm, frm-unconsol
	20%	LS	AA
4330-4345	100%	SH	var, pred bk rd, blky slty, sndy ip, frm
4345-4350	No Sample		
4350-4360	90%	SH	AA
	10%	SS	wht, vfg, sbang, wsrt, frm, calc
	Tr	LS	
4360-4370	90%	SH	AA
	10%	SS	AA crm
4370-4380	100%	SH	AA
	Tr	SS&LS	
4380-4390	90%	SH	AA
	10%	SS	wht, crm, lttan, vf-fg, occ crs, sbrnd, mw-psrt, frm-fri, calc, occ hvy mtrx

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4390-4400	90%	SH	rd, org, blky, slty, sndy ip, frm
	10%	SS	AA hvy wht, gy, tan mtrx
	Tr	LS	
	Tr	Calcite	
4400-4410	80%	SH	AA
	20%	SS	AA
	Tr	LS	
4410-4420	80%	SH	var, blky, frm, slty, fltng SS gs
	20%	SS	offwht, ltgy, ltbrn, pk, vf-crsg, sbrnd-mrd, psrt, frm-fri occ hvy mtrx
4220-4230	90%	SH	AA
	10%	SS	AA
4230-4240	60%	SH	AA
	30%	SS	AA
	10%	LS	wht, crm, tan, brn, mic, blky, sft, sl-m arg
4240-4250	No Sample		
4250-4260	70%	SH	bk rd, blky, slty, frm
	20%	SS	offwht, crm, pk, vf-fg, rnd, m-wsrt, frm-fri, calc, occ hvy mtrx
	10%	LS	crm, offwht, ltbrn, mic, blky, sft-frm
4260-4270	80%	SH	AA
	20%	SS	AA clr, f-mg, rnd, m-psrt, unconsol
4270-4280	80%	SH	AA
	10%	SS	AA
	10%	LS	brn, ltbrn, crm, crypt-mic xln, frm-hrd, arg
4280-4290	90%	SH	AA
	10%	SS	AA, vf-mg, psrt
4290-4500	70%	SH	rd, slty, sndy, blky, frm
	20%	LS	crm, brn, pk, mic-cryptxln, blky, sft-frm, arg
	10%	SS	AA
4500-4510	80%	SH	AA
	20%	LS	AA
	Tr	SS	
4510-4520	60%	SH	AA
	20%	SS	wht, pk, ltgy, vf-crsg, sbang-rnd, m-psrt, frm-unconsol, calc
	20%	LS	yell, crm, ltbrn, ltgy, pk, mic cryptxln, frm-hrd, arg non

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ANTALOPE HOLLOW #44-17

4520-4530	90%	SH	rd, blky, slty, sndy, frm
	10%	SS	AA
	Tr	LS	
4530-4540	90%	SH	AA bcmg var
	10%	SS	AA
4540-4550	100%	SH	AA
	Tr	SS	
	Tr	LS	
4550-4560	100%	SH	AA
	Tr	SS	
	Tr	LS	
4560-4565	100%	SH	bk rd, occ var, slty, fltng SS gs, sft-frm
	Tr	SS	
	Tr	LS	
4565-4570	100%	SH	AA
	Tr	SS	
	Tr	LS	
4570-4575	No Sample		
4575-4600	90%	SH	AA
	10%	SS	wht, ltgy, crm, pk, vf-fg, occ m&crsg, m-psrt, sbang-arg frm-unconsol, tr CHT
4600-4610	50%	SH	AA
	40%	SS	clr, wht, ltgy, vf-crsg, rnd, psrt, pred unconsol
	10%	LS	AA
4610-4620	70%	SH	AA
	20%	SS	AA
	10%	LS	AA
4620-4630	50%	SH	AA
	40%	SS	clr, frstd, m-crsg, rnd, msrt
	10%	LS	crm, lttan, ltbrn, arg, frm-hrd, mic-cryptxln
4630-4640	90%	SH	AA
	10%	SS	AA
4640-4650	90%	SH	AA
	10%	SS	AA
4650-4560	90%	SH	AA
	10%	SS	AA

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ANTALOPE HOLLOW #44-17

4660-4670	90%	SH	var, pred rdm sbblk-sbfiss, frm, slty, sndy,
	10%	SS	pk, ltgy, vf-fg, sbang-sbrd, msrt, frm-fri, calc lse crs gs
4670-4680			Abndt wht cly
	80%	SH	AA
	10%	SS	AA
	10%	LS	wht, crm, lttan, ltbrn, mic, sft, sl arg
4680-4690	80%	SH	AA
	10%	SS	AA
	10%	LS	AA
4690-4700	90%	SS	wht, offwht, clr, vf-crs g, sbrnd, psrt, frm-fri
	10%	SH	AA

GEOLOGIC SUMMARY
AND
ZONES OF INTEREST

Hallwood Energy Companies' Antelope Hollow #44=-17 well is Located in Daggett County, Utah Section 17, T3N, R19E. This well was spudded on July 30, 1991 and plugged and abandoned August 11, 1991. 8 3/4" surface pipe was set at 532' into the green river formation. The Geologist started mudlogging at 540 feet. Interbedded limestones, shales and sandstones where seen through the green river formation. There were no gas shows seen in this well.

The Wasatch formation did not appear as a definite top in the rock samples, drill rate or wireline logs. From a depth of 3,115 feet to 3,240 feet there was slow erratic drilling with small change in the rock type that indicates a transition zone. This along with correlation with the wireline logs indicates that the Wasatch formation top is at this general depth.

The Antelope Hollow #44-17 was drilled to a total depth of 4,701 feet in the Wasatch formation on August 10, 1991.

FORM 8

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

DEC 19 1994

DIV. OF OIL, GAS & MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NO.: UT State ML-40054-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

7. UNIT AGREEMENT NAME: Antelope Hollow

8. FARM OR LEASE NAME: UT State ML-40054-A

9. WELL NO.: #44-17

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: SE¼ SE¼ Sec. 17-T3N-R19E

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other

b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☒ PLUG BACK ☐ DIFF. RESVR. ☐ Other (RE-ENTRY)

2. NAME OF OPERATOR: Preston Oil Company, L.P.

3. ADDRESS OF OPERATOR: P. O. Box 7520 The Woodlands, TX 77387

CONFIDENTIAL

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface: 625' FEL, 804' FSL
At top prod. interval reported below
At total depth: Same as above

14. API NO.	DATE ISSUED	12. COUNTY	13. STATE
43-009-30064	7/19/94	Daggett	Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.) or (Plug & Abd.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)	19. ELEV. CASINGHEAD
8/6/94	8/19/94	10/13/94	G.L. 6,949'	

20. TOTAL DEPTH, MD & TVD	21. PLUG BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
8,000'	Surface	N.A.	→	8,000'	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD): N/A

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: Confidential

27. WAS WELL CORED YES ☐ NO ☒ (Submit analysis)
DRILL STEM TEST YES ☐ NO ☒ (See reverse side)

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	523'	12-1/4"	500 SX	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)
N/A				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A		

31. PERFORATION RECORD (Interval, size and number): N/A

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
N/A	

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
N/A		P&A 8-30-94

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Tommy Echols TITLE Consultant DATE 12/15/94

See Spaces for Additional Data on Reverse Side

(3/89)

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producinginterval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES: Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.				38. GEOLOGIC MARKERS		
Formation	Top	Bottom	Description, contents, etc.	Name	Top	
					Meas. Depth	True Vert. Depth

CEMENTING SERVICE REPORT

DS-496 PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 1509-8317 | DATE 8-19-94

STAGE 1 | DS DISTRICT Rock Springs WY

WELL NAME AND NO. Antelope Hollow #44-9 | LOCATION (LEGAL) Sec 17 T3N R19E

FIELD-POOL | FORMATION P/A

COUNTY/PARISH Daggett | STATE Utah | API. NO.

NAME Coulson Oil Co.

AND PRESTON OIL CO.

ADDRESS

ZIP CODE

RIG NAME: Exeter #8

WELL DATA:		BOTTOM			TOP	
BIT SIZE 7 7/8	CSG/Liner Size					
TOTAL DEPTH	WEIGHT					
☐ ROT ☐ CABLE	FOOTAGE					
MUD TYPE Gel/H2O	GRADE					
☐ BHST ☐ BHCT 130°	THREAD					
MUD DENSITY 9.1	LESS FOOTAGE SHOE JOINT(S)					TOTAL
MUD VISC.	Disp. Capacity					

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

Float	TYPE		Stage Tool	TYPE	
	DEPTH			DEPTH	
SHOE	TYPE			TYPE	
	DEPTH			DEPTH	

SPECIAL INSTRUCTIONS P/A as instructed.
1st Plug 685x @ 6900', - mud disp.
2nd Plug 60sx @ 3470', mud disp.
3rd Plug 40sx @ 523'
4th Plug 10sx @ Surface -

Head & Plugs	☐ TBG ☑ D.P.	SQUEEZE JOB	
☐ Double	SIZE 4.5	TOOL TYPE	
☐ Single	☐ WEIGHT 16.6	TOOL DEPTH	
☐ Swage	☐ GRADE E X H	TAIL PIPE: SIZE	DEPTH
☐ Knockoff	☐ THREAD	TUBING VOLUME	Bbl
TOP ☐R ☐W	☐ NEW ☐ USED	CASING VOL. BELOW TOOL	Bbl
BOT ☐R ☐W	DEPTH 6900'	TOTAL	Bbl
	.0704 CF/FT	ANNULAR VOLUME	Bbl

IS CASING/TUBING SECURED? ☑ YES ☐ NO

LIFT PRESSURE 7000 PSI | CASING WEIGHT ÷ SURFACE AREA (3.14 x R²)

PRESSURE LIMIT 3000 PSI | BUMP PLUG TO — PSI

ROTATE — RPM | RECIPROCATE — FT | No. of Centralizers —

JOB SCHEDULED FOR TIME: SAP DATE: 8-19-94 | ARRIVE ON LOCATION TIME: 2200 DATE: 8-19-94 | LEFT LOCATION TIME: 0700 DATE: 8-20-94

TIME 0001 to 2400	PRESSURE TBG OR D.P.	PRESSURE CASING	VOLUME PUMPED BBL INCREMENT	VOLUME PUMPED BBL CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
2000								PRE-JOB SAFETY MEETING ARRIVE LOC & Rig up - Became Inspected
2330	3000		—	.	.	H2O	8.34	Test Lines & Held Safety meeting
2350	500		20	0	5	H2O	8.34	START H2O Ahead 1st Plug Pipe at 6900'
2355	0		12.3	20	5	CMT	15.8	START SLURRY
0002	0		7	32.3	3	H2O	8.34	START H2O Behind
0007	0		85	39.3	8	Mud	9.1	START Mud Disp.
0220	0		—	124.3	-	-	—	SHUTDOWN - Rig pulls pipe
0310	0		20	0	5	H2O	8.34	START H2O 2nd Plug Pipe at 3470'
0315	0		12.3	20	5	CMT	15.8	START SLURRY
0320	0		7	32.3	3	H2O	8.34	START H2O Behind
0325	0		35	39.3	8	Mud	9.1	START Mud Disp.
0333	0		—	74.3	-	-	-	SHUTDOWN - Rig pulls Pipe @ 5910.73
0505	0		15	0	5	H2O	8.34	START H2O 3rd Plug pipe @ 523'
0510	0		12.3	15	5	CMT	15.8	START SLURRY
0518	0		4	27.3	2	H2O	8.34	START Disp.
0520	0		—	31.3	—	—	—	SHUTDOWN Rig pulls pipe & Surface.
0545	0		2	0	1	CMT	15.8	Pump 10sx Surface at 30' Job Complete

REMARKS used pressured mud scales to verify density

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBLS	SLURRY MIXED DENSITY
1.	60	1.15	Class G + 0.35% D13 + 0.1% D65	12.3	15.8
2.	60	1.15	Class G neat	12.3	15.8
3.	60	1.15	Class G + 20% S-1 (100#)	12.3	15.8
4.	10	1.15	Class G	2	15.8
5.					
6.					

BREAKDOWN FLUID TYPE | VOLUME | DENSITY

☐ HESITATION SQ. ☐ RUNNING SQ. | CIRCULATION LOST ☐ YES ☐ NO

BREAKDOWN PSI | FINAL PSI | DISPLACEMENT VOL. 85 35 5 Bbls

Washed Thru Perfs ☐ YES ☐ NO | TO FT. | MEASURED DISPLACEMENT ☑ ☐ WIRELINE

PERFORATIONS TO TO TO TO

CUSTOMER REPRESENTATIVE Scott Parrish

PRESSURE MAX. 500 MIN: —

Cement Circulated To Surf. ☐ YES ☐ NO Bbl

TYPE OF WELL ☐ OIL ☐ GAS ☐ STORAGE ☐ INJECTION ☐ BRINE WATER ☐ WILDCAT

DS SUPERVISOR Jimmy Jackson

PRESTON OIL COMPANY

17 WOODSTEAD COURT • P.O. BOX 7520 • THE WOODLANDS, TEXAS 77387
TELEPHONE: 713-367-8697

CONFIDENTIAL

December 15, 1994

State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Mr. Frank R. Matthews

Re: Preston Oil Company, L.P.
Antelope Hollow Unit #44-17
804' FSL, 625' FEL, SE/SE
Sec. 17-3N-19E
Daggett County, Utah

Dear Mr. Matthews:

Completed originals and one copy of State of Utah, Division of Oil, Gas & Mining Form 8 (Well Completion or Recompletion Report and Log) and Form 9 (Sundry Notices and Reports on Wells) are enclosed.

Please accept this letter as our request that we be allowed to retain well logs from the subject well CONFIDENTIAL at this time. If you have questions concerning the confidentially of the logging program, please contact Mr. Joe Eubanks at Preston's office, The Woodlands, Texas.

Thank you for your assistance.

Very truly yours,

James E. Lovan

cc: R. D. Sprague
D. D. Ritter, Jr.
L. G. Eubanks

FORM 9

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

RECEIVED
DEC 19 1994

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number: UT State ML-40054-A

6. If Indian, Allottee or Tribe Name: N/A

7. Unit Agreement Name: Antelope Hollow

8. Well Name and Number: #44-17

9. API Well Number: 43,009,30064

10. Field and Pool, or Wildcat: Wildcat

1. Type of Well: OIL ☐ GAS ☐ OTHER: P&A (RE-ENTRY)

2. Name of Operator: Preston Oil Company, L.P.

3. Address and Telephone Number: P. O. Box 7520, The Woodlands, TX. 77387 (713)367-8697

4. Location of Well
Footages: 625' FEL, 804' FSL
QQ, Sec.,T.,R.,M.: SE4/SE4, Sec 17, T3N-R19E

County: Daggett
State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- ☒ Abandon
- ☐ Repair Casing
- ☐ Change of Plans
- ☐ Convert to Injection
- ☐ Fracture Treat or Acidize
- ☐ Multiple Completion
- ☐ Other
- ☐ New Construction
- ☐ Pull or Alter Casing
- ☐ Recomplete
- ☐ Reperforate
- ☐ Vent or Flare
- ☐ Water Shut-Off

Approximate date work will start August 19, 1994

SUBSEQUENT REPORT
(Submit Original Form Only)

- ☒ Abandon *
- ☐ Repair Casing
- ☐ Change of Plans
- ☐ Convert to Injection
- ☐ Fracture Treat or Acidize
- ☐ Other
- ☐ New Construction
- ☐ Pull or Alter Casing
- ☐ Reperforate
- ☐ Vent or Flare
- ☐ Water Shut-Off

Date of work completion October 13, 1994

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Preston Oil Co., L.P. re-entered Hallwood Petroleum's Antelope Hollow #44-17 and deepened from 4,701' to 8,000'. Drilling was completed August 19, 1994. No DST's or cores were taken; logging program was completed August 20, 1994. Dowell-Schlumberger placed 60 sx plugs @ 6,900', 3,470', 523' and 10 sx plug @ surface August 20, 1994. Contractor's rig remained over hole approximately 6 weeks. Permanent identification plate was installed on October 13, 1994. Location has not been restored. Surface pipe cut off 4' below original G.L. elevation.

13.
Name & Signature: [signature] Title: Consultant Date: 12/15/94

(This space for State use only)

(4\94)

(See Instructions on Reverse Side)